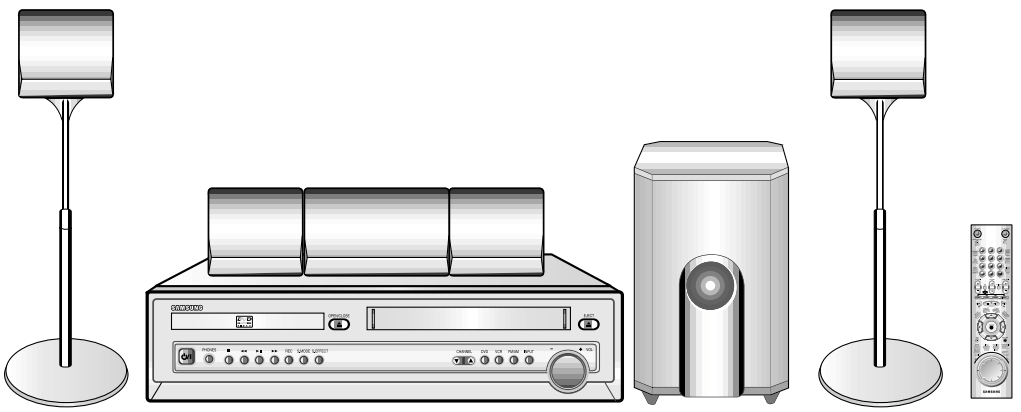
SAMSUNG

DVD-VCR

CHT-350

Instruction Manual



www.samsungvcr.com

VHS

PAL/NTSC

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Symbols

Press/push

Hold down

Important

Note

(1) = Step number

Safety Instructions

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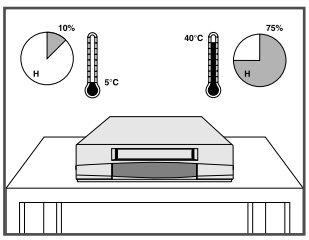
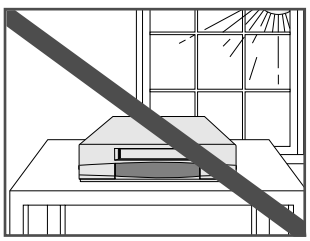
The following illustrations represent precautions.

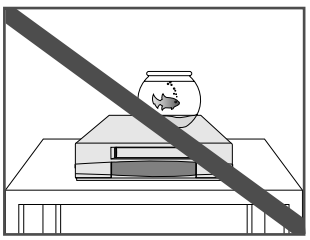
The lightning bolt is a warning sign alerting you to dangerous voltage inside the product.
DO NOT OPEN THE DVD-VCR. Refer to service personnel.



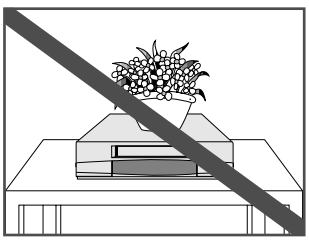
Do NOT expose the DVD-VCR to extreme temperature conditions (below 5°C and above 40°C) or to extreme humidity conditions (less than 10% and more than 75%).



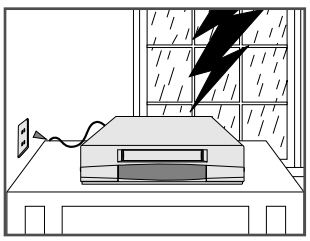
Do NOT expose the DVD-VCR to direct sunlight.



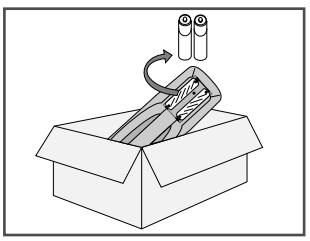
Do NOT expose the DVD-VCR to any liquids.



Do NOT place any objects on the DVD-VCR or remote control.



During a storm and/or lightning, unplug the DVD-VCR from the mains socket and aerial.



If the remote control is not used for a long period of time, remove the batteries and store it in a cool, dry place.

THIS DEVICE IS NOT FOR USE IN INDUSTRIAL ENVIRONMENTS

Disc Type and Characteristics

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This DVD player is capable of playing the following types of discs with the corresponding logos :

Disc Types (Logos)	Recording Types	Disc Size	Max. Playing Time	Characteristics
DVD	Audio + Video	12 Cm	Single-sided 240 min. Double-sided 480 min.	• DVD contains excellent sound and video due to Dolby Digital and MPEG-2 system. • Various screen and audio functions can be easily selected through the on-screen menu.
		8 Cm	Single-sided 80 min. Double-sided 160 min.	
VIDEO-CD	Audio + Video	12 Cm	74 min.	• Video with CD sound, VHS quality & MPEG-1 compression technology.
		8 Cm	20 min.	
AUDIO-CD	Audio	12 Cm	74 min.	• An LP is recorded as an analog signal with more distortion. CD is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time.
		8 Cm	20 min.	

* DO NOT play CD-ROM, CD-I and DVD-ROM in this player!
  (CDGs play audio only, not graphics.)
* It may not be to play CD-R,CD-RW and DVD-R in all cases due to the type of disc or condition of the recording.

Disc Markings

• Playback Region Number	• PAL colour system in U.K, France, Germany, etc.	• NTSC broadcast system in USA, Canada, japan, South Korea, etc.	• Dolby Digital disc	• Stereo disc	• Digital Audio disc	• DTS disc

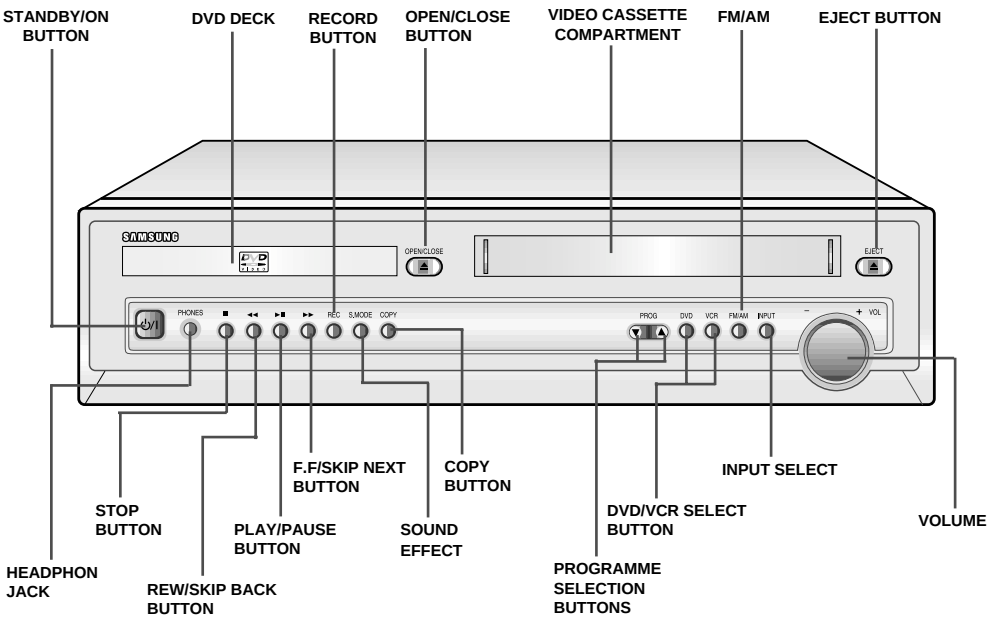
- "DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc.
- Manufactured under license from Dolby Laboratories.
  "Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories.

Playback Region Number

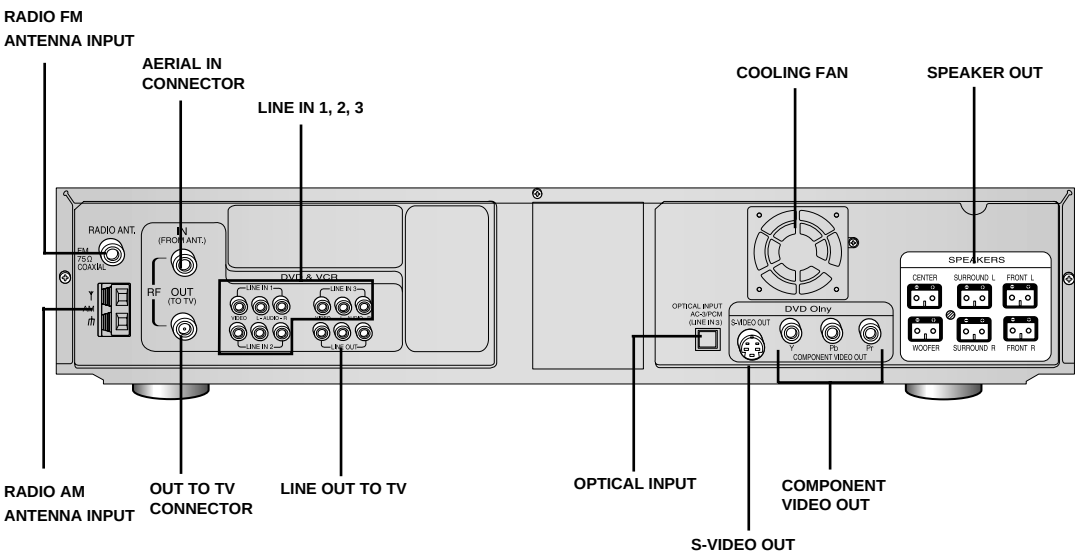
Both the DVD player and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play.

The Region Number for this player is described on the rear panel of the player.

Front View of the DVD-VCR



Rear View of the DVD-VCR



Infrared Remote Control

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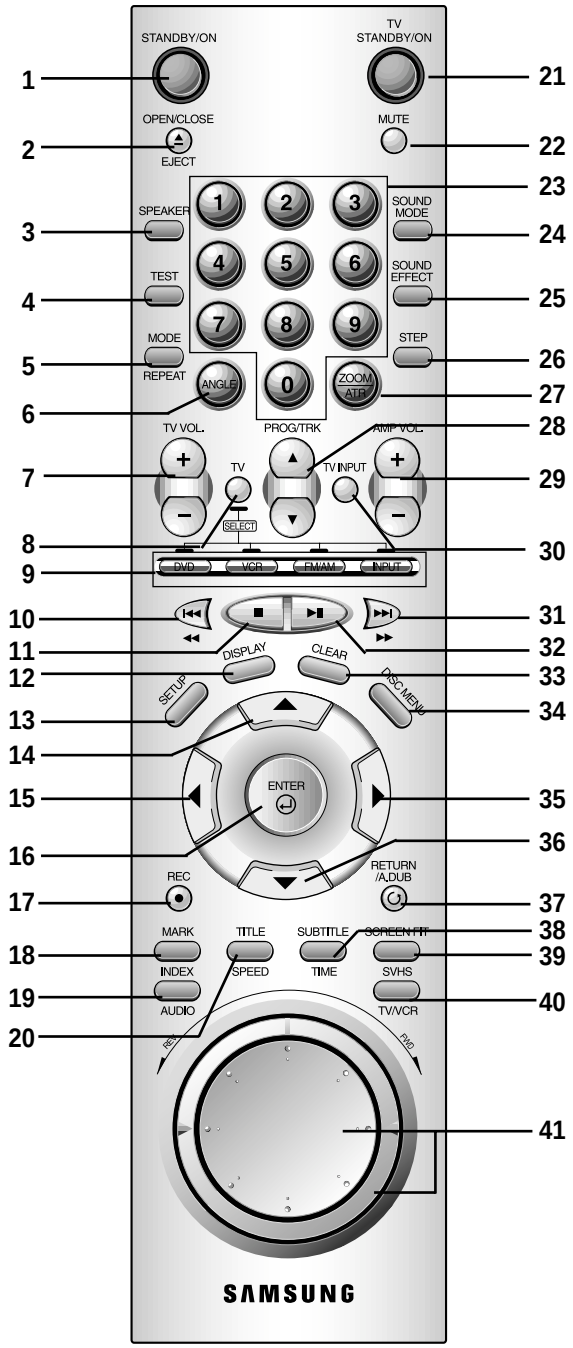
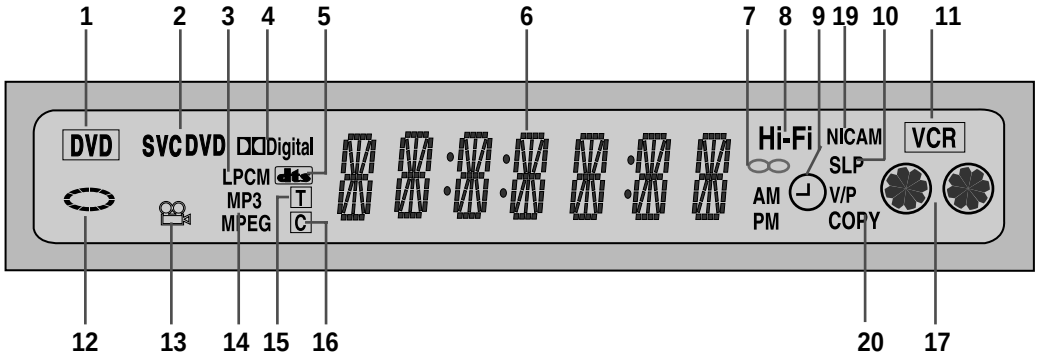


1 STANDBY/ON
2 OPEN/CLOSE, EJECT
3 SPEAKER SELECT
4 TEST
5 MODE, REPEAT
6 ANGLE
7 TV VOLUME
8 TV SELECT
9 DVD, VCR, FM/AM, INPUT SELECT
10 REWIND, SKIP BACK
11 STOP
12 DISPLAY
13 SETUP
14 UP
15 LEFT
16 ENTER
17 RECORD
18 MARK, INDEX
19 AUDIO
20 TITLE, SPEED
21 TV STANDBY/ON
22 MUTE
23 0-9
24 SOUND MODE
25 SOUND EFFECT
26 STEP
27 ZOOM/ATR
28 PROG/TRK ▲/▼
29 AMP VOLUME
30 TV INPUT
31 FAST-FORWARD, SKIP NEXT
32 PLAY/PAUSE
33 CLEAR
34 DISC MENU
35 RIGHT
36 DOWN
37 RETURN, A.DUB
38 SUBTITLE, TIMER
39 SCRREEN FIT, SVHS
40 TV/VCR
41 JOG/SHUTTLE

Display Indicators



1 The DVD Deck is selected

2 A DVD, CD, VCD or SVCD is loaded

3 A disc with LPCM (Linear Pulse Code Modulation) audio is loaded

4 A DVD with a Dolby Digital is loaded

5 A DVD with a DTS soundtrack is loaded

6 The time, counter position, time remaining or current deck status is displayed

7 The current TV show or video is broadcast in Stereo

8 The Hi-Fi track of a VHS tape is playing

9 A Timer Recording is programmed or in progress. If blinking there is an error.

10 Tape Speed

11 The VCR Deck is selected

12 The status of the DVD deck is graphically displayed

13 The DVD has multiple angles.

14 MP3

15 A MPEG Audio Disc is loaded.

16 The number to the right of the “T” symbol is the current title number

17 The number to the right of the “C” symbol is the current chapter number

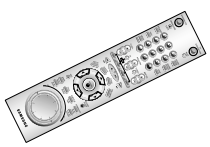
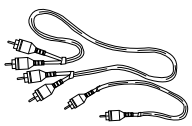
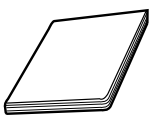
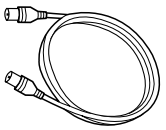
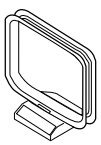
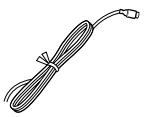
18 VHS tape is inserted and the VCR Deck is active

19 NICAM Indicator

20 COPY mode Indicator

Accessories

You have just purchased a SAMSUNG Video Cassette Recorder (DVD-VCR).
Together with your DVD-VCR, you will find the following accessories in the box.

REMOTE CONTROL 	AUDIO & VIDEO CABLE 	OWNER’S INSTRUCTIONS 	COAXIAL CABLE 
BATTERIES	AM ANTENNA CABLE 	FM ANTENNA CABLE 	

Deciding How to Connect DVD-VCR

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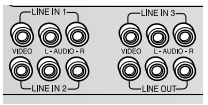
You must take into account various factors when connecting audio or video systems:

- ***Types of connectors available on your systems***
- ***Systems connected permanently to the DVD-VCR (satellite receiver for example) or temporarily (camcorder for example)***

Your DVD-VCR is equipped with the following connectors.

Connector	Location	Type	Direction	Recommended Use
LINE	Rear 	Audio/Video RCA	In/Out	◆ Television ◆ Other VCR
COMPONENT output	Rear	RCA	Out	◆ COMPONENT out (DVD only)
S-VIDEO output	Rear	S-JACK	Out	◆ S-Video out (DVD only)
OUT TO TV	Rear	75 Ω coaxial	Out	◆ Television
IN FROM ANT.	Rear	75 Ω coaxial	In	◆ Aerial ◆ Cable television network ◆ Satellite receiver

Whenever you connect an audio or video system to your DVD-VCR, ensure that all elements are switched off.

Refer to the documentation supplied with your equipment for detailed connection instructions and associated safety precautions.

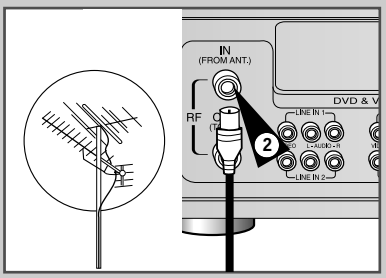
Connecting DVD-VCR to the TV using the Coaxial Cable

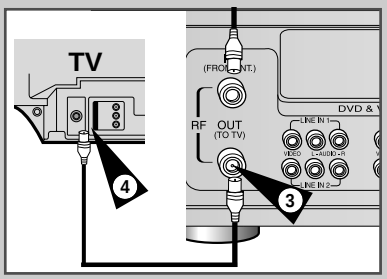
GB

To receive television programmes a signal must be received from one of the following sources:

- ***An outdoor aerial***
- ***An indoor aerial***
- ***A cable television network***
- ***A satellite receiver***

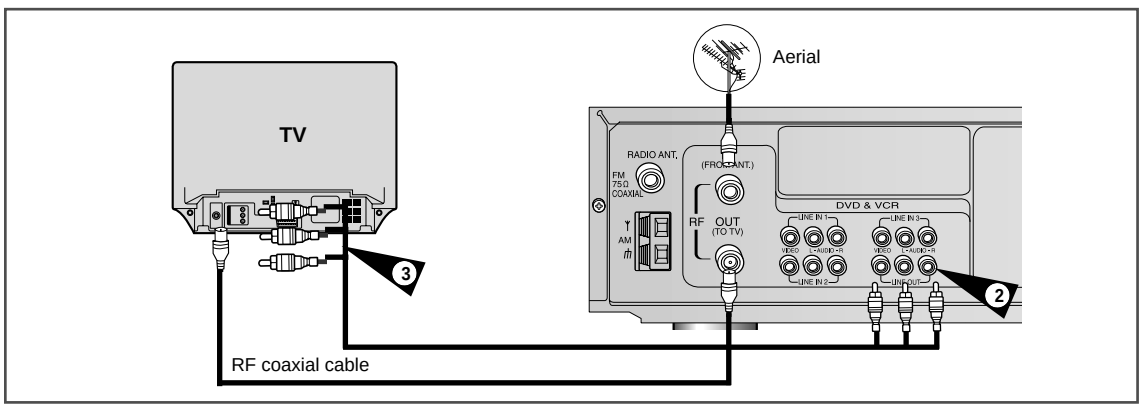
Make sure that both the television and the DVD-VCR are switched off before connecting the cables.





1	Remove the aerial or network input cable from the television.
2	Connect this cable to the 75Ω coaxial socket marked ⌐|⌐ on the rear of your DVD-VCR.
3	Plug the coaxial cable supplied into the TV socket on your DVD-VCR.
4	Plug the other end of the coaxial cable into the connector previously used for the aerial on the television.
5	To obtain better quality pictures and sound on your television, you can also connect your DVD-VCR to the television via the RCA cable (see section below) if your television is equipped with this type of connection.

Connecting DVD-VCR to the TV using the RCA Cable



You can connect your DVD-VCR to the television using the RCA cable if the appropriate input is available on the television. You thus:

- ***Obtain better quality sound and pictures***
- ***Simplify the setting up procedure of your DVD-VCR***

- Regardless of the type of connection chosen, you must always connect the coaxial cable supplied. Otherwise, no picture will be visible on the screen when the DVD-VCR is switched off.
- Make sure that both the television and the DVD-VCR are switched off before connecting the cables.

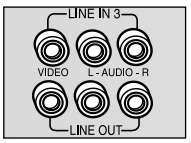
1	Connect the coaxial cable as indicated in the above section.
2	Connect one end of the RCA Audio/Video cable to the Video output and Audio L, R output socket on the rear of the DVD-VCR.
3	Plug the other end into the appropriate connector on the television.

Connecting Other Equipment to Your DVD-VCR

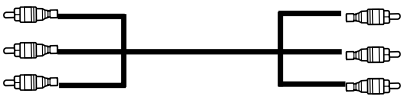
GB

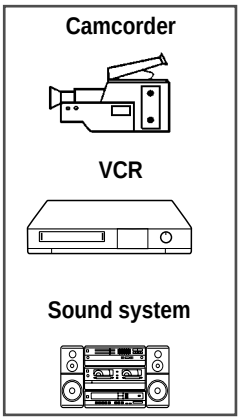
You can connect other audio and/or video equipment to your DVD-VCR in different ways. The following illustrations give a few examples of the connection possibilities.

➢ The RCA input/output connectors on the rear of the DVD-VCR are used for equipment, such as camcorders, VCRs or sound systems.



REAR OF THE DVD-VCR





Plug & Auto Set up

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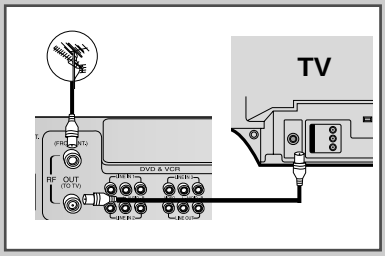
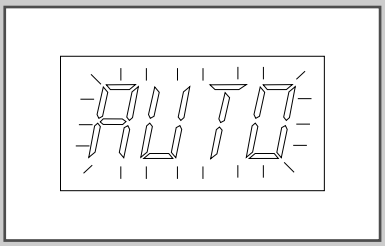
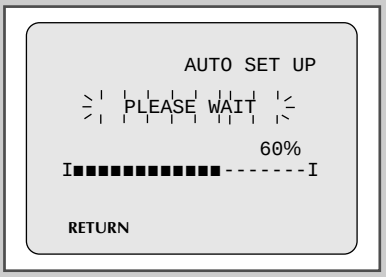
Your DVD-VCR will automatically set itself up when it is plugged into the mains for the first time. TV stations will be stored in memory. The process takes a few minutes. Your DVD-VCR will then be ready for use.

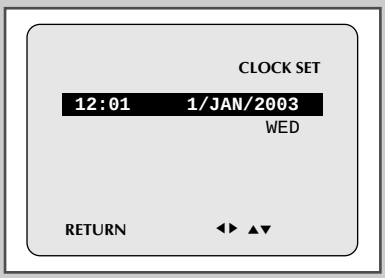
1	Connect the coaxial cable as indicated on page 11. (Connecting Your DVD-VCR to the TV Using the Coaxial Cable)
2	Plug the DVD-VCR into the mains. Result: The **LANGUAGE SET** menu is displayed.
3	Select the required language by pressing the ▲ or ▼ buttons.
4	Press ENTER to store the language selected. Result: A message appears.
5	Press ENTER to start the auto scanning. ◆ The number of stations automatically stored by the DVD-VCR depends on the number of stations that it has found.
6	Check the data and time. (see page 17)
7	On completion, press RETURN to exit the menu.

➢ Auto preset can be performed by pressing ■ (STOP) on the VCR continuously for 5 seconds or more with no tape inserted.









Tuning Your Television for the DVD-VCR

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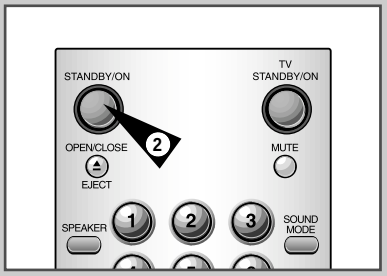
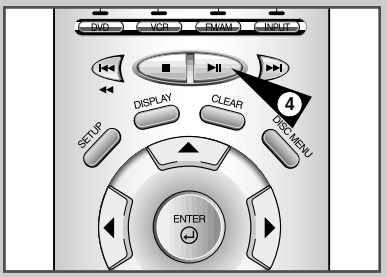




You must tune your television for the DVD-VCR only if you are <u>not</u> using a RCA cable

➢ To view pictures from your DVD-VCR when a RCA cable is used, the television must be set to the audio/video mode (AV).

1 Switch on the television.

2 Switch on the DVD-VCR by pressing STANDBY/ON on the front of the DVD-VCR or STANDBY/ON on the remote control.

3 Select a programme position on the television to be reserved for use with your DVD-VCR.

4 Insert the video cassette in the DVD-VCR. Check that the DVD-VCR starts reading the cassette; if not, press ►II button.

5 Start a scan on your television or set the television to UHF channel 36.

6 Fine tune the television until the pictures and sound are obtained clearly.

7 If you cannot find the pictures and sound, or there is interference from nearby channels, it may be necessary to change the setting of the DVD-VCR output channel (see Setting the DVD-VCR Output Channel on page 23 and Problems and Solutions on page 72).

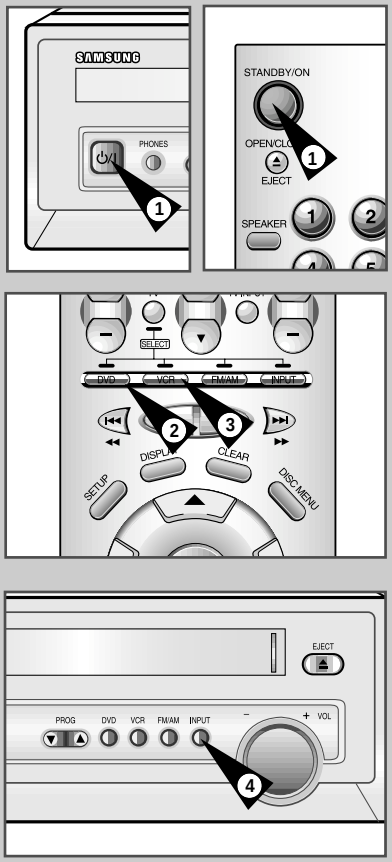
8 When the picture and sound are perfectly clear, store this channel at the desired programme position on the television.

<u>Result</u>: That programme is now reserved for use with your DVD-VCR.

Deck Control Keys

GB

The DVD-VCR uses one set of controls to operate <u>both</u> decks. The following keys are helpful in successfully controlling each deck.



1 **STANDBY/ON Button**
Press the STANDBY/ON button on the remote control or front panel to turn on the DVD-VCR.

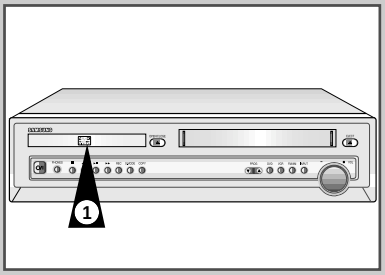
2 **DVD Button**
Press the DVD button on the remote control when you want to control the DVD deck.
- The DVD indicator will light on the Front Panel Display to show that the DVD deck is selected.

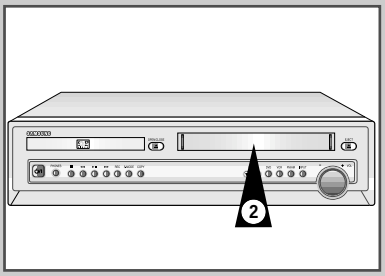
3 **VCR Button**
Press the VCR button on remote control when you want to control the VCR deck.
- The VCR indicator will light on the Front Panel Display to show that VHS deck is selected.

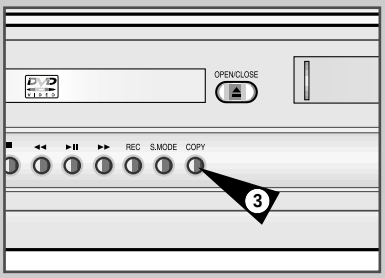
4 **INPUT Button**
Press the INPUT button repeatedly to cycle through all of your input sources, including the Tuner (PR##), Line 1, Line 2 and Line 3 (rear AV input).

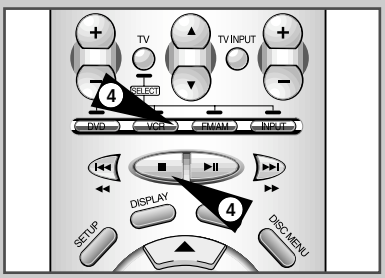
Copying from DVD to VCR

GB









The DVD-VCR allows you to copy the contents of a DVD to a VHS tape with a press of the COPY button.

If the DVD you are attempting to copy is copy protected, you will not be able to copy the disc. It is not permitted to copy Macrovision® encoded DVDs.

1 **Insert Disc**
Insert the disc you wish to copy in the DVD deck and close the drawer.

2 **Insert VHS Tape**
Insert a blank VHS videotape into the VCR deck.

3 **Copy the DVD to VHS Tape**
Press the COPY button on the DVD-VCR front panel.
- The DVD will go into Play mode and the VCR will go into Record mode.
- If the DVD disc menu appears, you may need to press the PLAY button manually to begin copying.

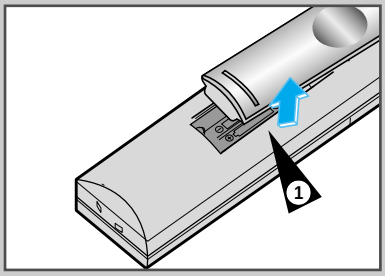
4 **Stop the Copy Process**
When the DVD is finished playing, press the VCR button on the remote control and then press the STOP button to end the copy.
- You must stop the Copy process manually when the DVD movie ends or the DVD may replay and record over and over again.

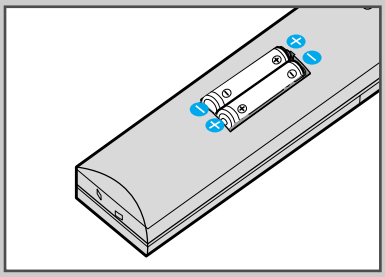
The copy is only active PAL Disc system.

Inserting Batteries in the Remote Control

You must insert or replace the batteries in the remote control when you:

- ***Purchase the DVD-VCR***
- ***Find that the remote control is no longer working correctly***





1 Push the tab in the direction of the arrow to release the battery compartment cover on the rear of the remote control.

2 Insert two AA, R6 or equivalent batteries, taking care to respect the polarities:
- \+ on the battery with + on the remote control
- – on the battery with – on the remote control

3 Replace the cover by aligning it with the base of the remote control and pushing it back into place.

➢ Do not mix different battery types (manganese and alkaline for example).

Setting the Date and Time

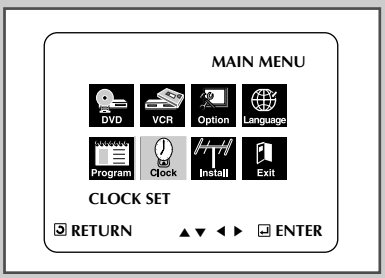
Your DVD-VCR contains a 24-hour clock and calendar used to:

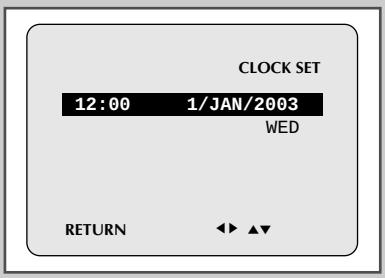
- ***Automatically stop programme recording***
- ***Preset your DVD-VCR to record a programme automatically***

You must set the date and time when:

- ***You purchase the DVD-VCR***

☛
- Do not forget to reset the time when you change clocks from winter to summer time and vice versa.





1 Press SETUP on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ or ◄, ► buttons to select the **CLOCK SET** option.

3 Press the ENTER button to select this option.
Result: The **CLOCK SET** menu is displayed.

4 Press ◄ or ► to select the hour, minutes, day, month and year.
Result: The option selected flashes.

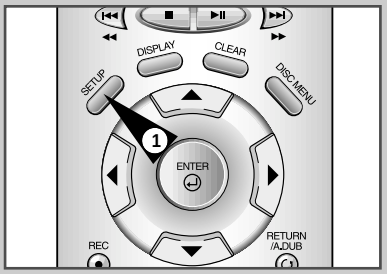
5 Press the ▲ or ▼ buttons to increase or decrease the value.
Result: The day of the week is displayed automatically.

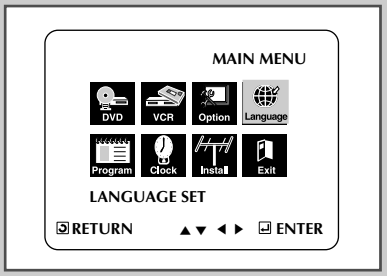
➢ You can hold the ▲ or ▼ buttons down to scroll more quickly through the values.

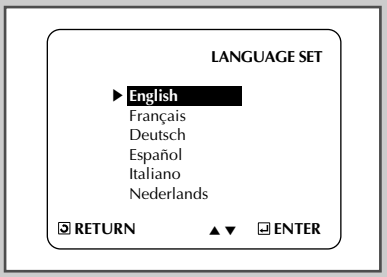
6 On completion, press RETURN twice to exit the menu.

Menu Language

GB







1 Open “MAIN MENU”

With the DVD in stop mode, press the SETUP button.

2 Set “Language”

Using the ▲, ▼ and ◀, ▶ buttons, move the selection arrow to Language set then press ENTER button.

3 Set menu Language

Move the selection bar to your desired Language, then press ENTER button.

Presetting the Stations Automatically

☞ You do not need to preset the stations if you have already set them automatically (see Plug & Auto Set Up on page 13).

Your DVD-VCR contains a built-in tuner used to receive television broadcasts.

You must preset the stations received through the tuner. This can be done:

- ***Plug & Auto Set up (see page 13)***
- ***Automatically***
- ***Manually (see page 20)***

You can store up to 80 stations.

1 Press the SETUP button on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ or ◀, ▶ buttons to select the **INSTALLATION** option.

3 Press the ENTER button to select this option.
Result: The **INSTALLATION** menu is displayed.

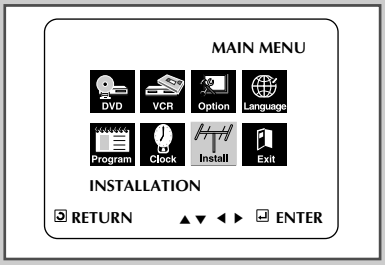
4 Press the corresponding ▲ or ▼ buttons, until the **AUTO SET UP** option is selected.
And then press the ENTER button to select this option.
Result: A message appears, indicating that any channels already preset on your DVD-VCR will be deleted.

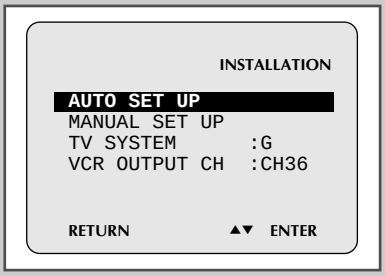
5 Press ENTER to start the auto scanning.
Result:
- The **PLEASE WAIT** indication flashes on the television screen.
- The first frequency band is scanned and the first station found is displayed and stored.
- The DVD-VCR then searches for the second station and so on.
- When the automatic scanning procedure has finished, the DVD-VCR switches automatically to programme 1.

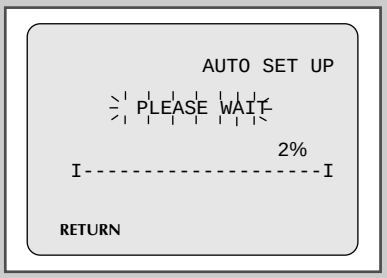
➢ The number of stations automatically stored by the DVD-VCR depends on the number of stations that it has found.

6 If you wish to cancel the auto scanning before the end, press the RETURN button three times to exit the menu.

➢
- Once the auto scanning procedure has finished, some stations may have been stored more than once; select the stations with the best reception and delete the ones no longer required (see page 21).

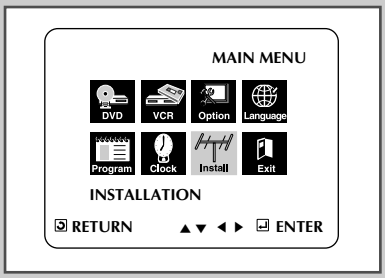


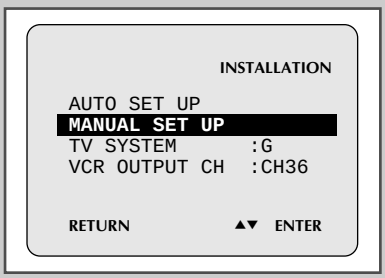


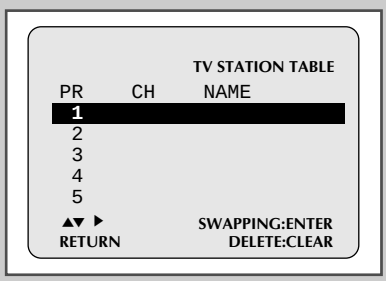


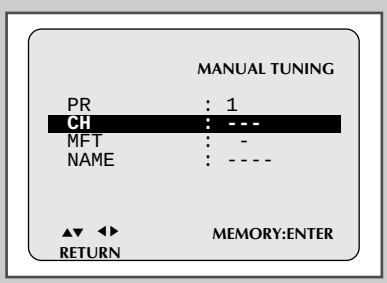
Presetting the Stations Manually

GB









You do not need to preset the stations manually if you have already set them automatically.

1 Press the SETUP button on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ or ◄, ► buttons to select the **INSTALLATION** option.

3 Press the ENTER button to select this option.
Result: The **INSTALLATION** menu is displayed.

4 Press the corresponding ▲ or ▼ buttons, until the **MANUAL SET UP** option is selected.

5 Press the ENTER button to select a **MANUAL SET UP** option.
Result: The **TV STATION TABLE** menu is displayed.

6 Press the ▲ or ▼ buttons to select a programme number as required.

7 Press the ► button to preset the station.
Result: The **MANUAL TUNING** menu is displayed.

8 Press the ◄ or ► buttons to start scanning.
Result: The frequency band is scanned and the first station found is displayed.

9 Press the ▲ or ▼ buttons until the **NAME** is selected.
The station name is set automatically from the broadcast signal.

10 To change the programme's name, press the ► button.
Result: The first letter of the name flashes.

11

To...	Then...
Select a character in the name	Press the ▲ or ▼ button until the required character is displayed (letters, numbers or "-" character).
Move to the next or previous character	Press the ► or ◄ buttons respectively.

12

If you...	Then...
Wish to store the station displayed	◆ Press the ▲ or ▼ buttons until the **MFT** is selected. ◆ Press the ◄ or ► buttons to adjust the picture, if necessary. ◆ Press ENTER to store the station
Do not wish to store the station displayed	◆ Press the ▲ or ▼ buttons until the **CH** is selected. ◆ Press the ◄ or ► buttons to go on scanning the frequency band and display the next station ◆ Go back to the beginning of Step **12**

13 Repeat this procedure from Step **6** onwards, until all the required stations have been stored.

14 On completion, press the RETURN button three times to exit the menu.

You do not need to preset the stations manually if you have already set them automatically.

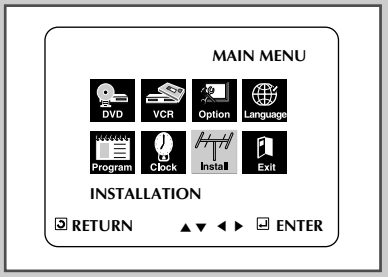
Clearing a Preset Station

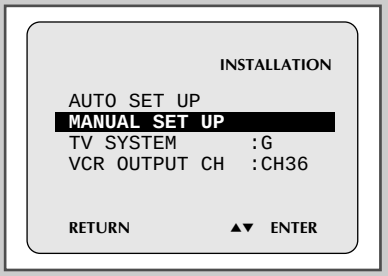
If you have stored a TV station:

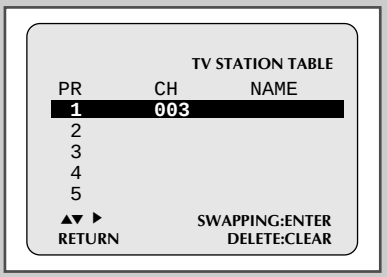
- ***That you do not require***
- ***At the wrong programme position***

you can cancel it.

1	Press the SETUP button on the remote control.
2	Press the corresponding ▲, ▼ or ◄, ► buttons to select the **INSTALLATION** option.
3	Press the ENTER button to select this option. Result: The **INSTALLATION** menu is displayed.
4	Press the corresponding ▲ or ▼ buttons, until the **MANUAL SET UP** option is selected.
5	Press the ENTER button to select this option. Result: The **TV STATION TABLE** menu is displayed.
6	Press the corresponding ▲ or ▼ buttons, until the required preset TV station is selected. (**PR**)
7	Press the CLEAR button.
8	Repeat the same procedure from Step **6** onwards until all the required stations have been cleared.
9	On completion, press the RETURN button three times to exit the menu.

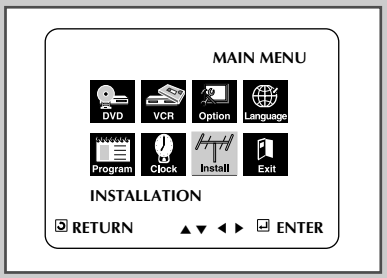


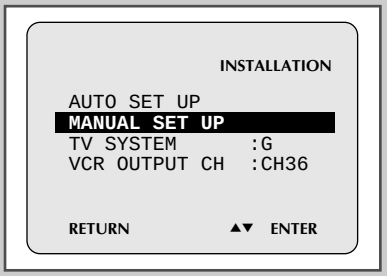


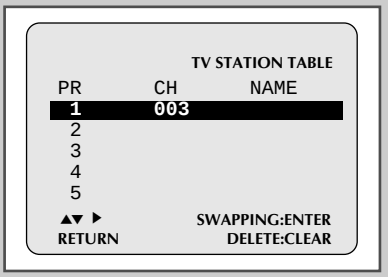


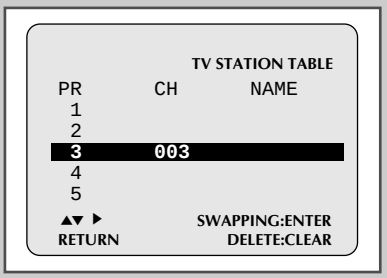
Changing the Preset Station Table

GB









You can rearrange the Station Table and give different programme numbers to the stations listed according to your own preferences.

1 Press the SETUP button on the remote control.

2 Press the corresponding ▲, ▼ or ◀, ▶ buttons to select the **INSTALLATION** option.

3 Press the ENTER button to select this option.
Result: The **INSTALLATION** menu is displayed.

4 Press the corresponding ▲ or ▼ buttons, until the **MANUAL SET UP** option is selected.

5 Press the ENTER button to select this option.
Result: The **TV STATION TABLE** menu is displayed.

6 Press the corresponding ▲ or ▼ buttons, until the required preset TV programme is selected.
Result: The selected station is displayed at the same time on the television screen.

7 To change the programme number assigned to a station press the ENTER button on the remote control (For example; To move a TV station in programme 1 to programme 3).

8 Press the ▲ or ▼ buttons to select required position and the press ENTER again to swap the position.

9 On completion, press the RETURN button three times to exit the menu.

Selecting the RF OUT Sound Mode (B/G-D/K)

VCR

GB

You can choose the sound mode (B/G or D/K) according to the TV set connected to your VCR.

1 Press SETUP on the remote control.
Result: The MAIN MENU is displayed.

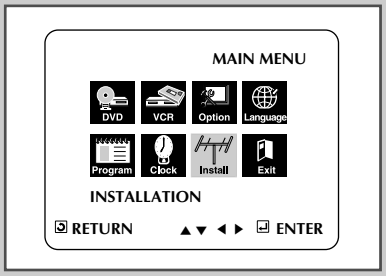
2 Press the corresponding ▲, ▼ or ◄, ► buttons to select the **INSTALLATION** option.

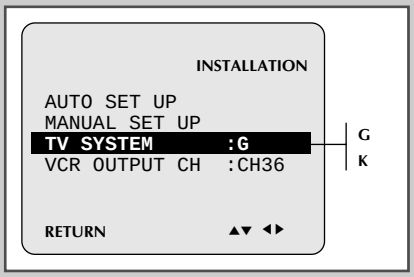
3 Press the ENTER button to select this option.
Result: The **INSTALLATION** menu is displayed.

4 Press the ▲ or ▼ buttons, until the **TV SYSTEM** option is selected.

5 Press the ◄ or ► button to select G or K.

6 On completion, press RETURN to exit the menu.





Setting the DVD-VCR Output Channel

VCR

Your DVD-VCR output channel may need to be changed if the pictures suffer from interference or if your TV cannot find the pictures.
Also, you can change the DVD-VCR output channel to adjust the frequency in which information is displayed on the screen.

1 Press SETUP on the remote control.
Result: The MAIN MENU is displayed.

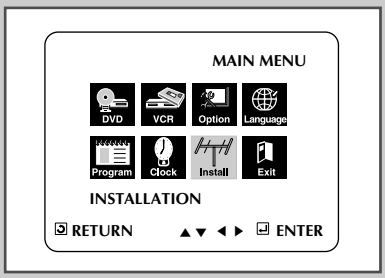
2 Press the corresponding ▲ , ▼ or ◄, ► buttons to select the **INSTALLATION** option.

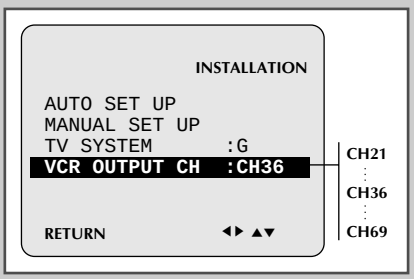
3 Press the ENTER button to select this option.
Result: The **INSTALLATION** menu is displayed.

4 Press the ▲ or ▼ buttons, until the **VCR OUTPUT CH** option is selected.

5 Select the required output channel (CH21~CH69) by pressing the ◄ or ► buttons.

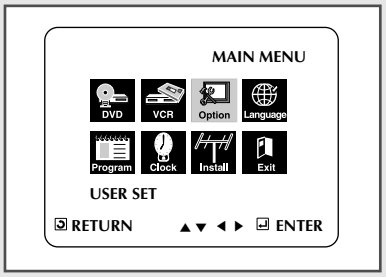
6 On completion, press RETURN twice to exit the menu.
Then tune your television again (see page 14).

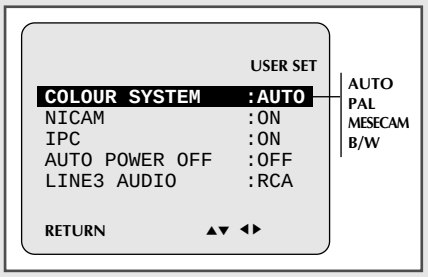




GB

VCR Selecting the Colour Mode





Before recording or playing back a cassette, you can select the required system standard.

Otherwise, the system automatically selects the reception standard when you select AUTO.

➢
- When playing back a cassette, the standard is automatically selected by the DVD-VCR.
- When you playback an NTSC-recorded tape on this DVD-VCR make a setting on the colour system according to your TV. If your TV is a PAL system only TV, set NTPB. If your TV is Multi System TV (NTSC 4.43 compatible), set NT4.43 and you can record NT4.43.

1 Press SETUP on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ or ◄, ► buttons to select the **USER SET** option.

3 Press the ENTER button to select this option.
Result: The **USER SET** menu is displayed.

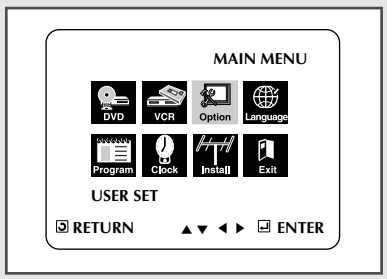
4 Press the corresponding ▲ or ▼ buttons, until the **COLOUR SYSTEM** option is selected.

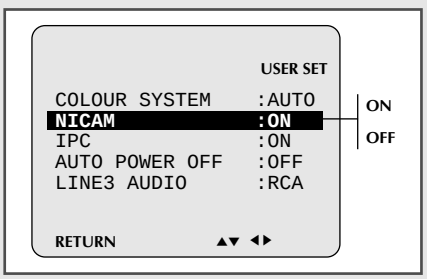
5 Press the ► button to select **AUTO** → **PAL** → **MESECAM** → **B/W**.

AUTO	When playing back a cassette, the system standard is automatically selected by the DVD-VCR.
B/W	Black and White

6 On completion, press RETURN twice to exit the menu.

VCR NICAM





NICAM programmes are divided into 3 types. NICAM Stereo, NICAM Mono and Bilingual (transmission in another language). NICAM programmes are always accompanied by a standard mono sound broadcast and you can select the desired sound.
Please refer to page 34.

1 Press SETUP on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ or ◄, ► buttons to select the **USER SET** option.

3 Press the ENTER button to select this option.
Result: The **USER SET** menu is displayed.

4 Press the corresponding ▲ or ▼ buttons, until the **NICAM** option is selected.

5

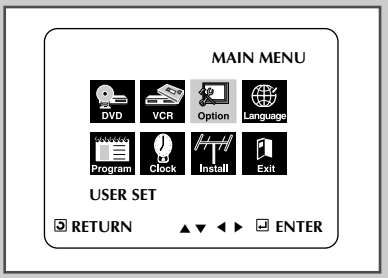
To...	Press ◄ or ►, until...
Mono mode	**OFF** is displayed. OFF: Only set at this position to record the standard mono sound during a NICAM broadcast if the stereo sound is distorted due to inferior reception conditions.
NICAM mode	**ON** is displayed. ON: Normally set at this position.

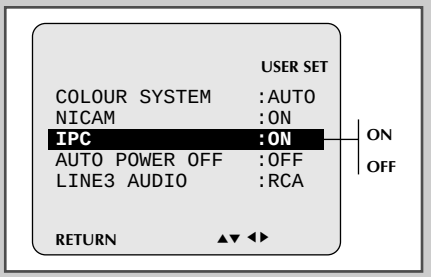
6 On completion, press RETURN twice to exit the menu.

GB

Intelligent Picture Control

The Intelligent Picture Control Feature allows you to adjust the sharpness of the image automatically, according to your own preferences.





1 During playback, press the SETUP button on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ or ◄, ► buttons to select the **USER SET** option.

3 Press the ENTER button to select this option.
Result: The **USER SET** menu is displayed.

4 Press the corresponding ▲ or ▼ buttons, until the **IPC** option is selected.

5 Press the ► button to select the IPC (intelligent picture control) option.

➢ When intelligent picture control mode is **ON**, the sharpness of the image is adjusted automatically.

6 To adjust the sharpness manually, press the ▼ button to turn the IPC mode **OFF**.

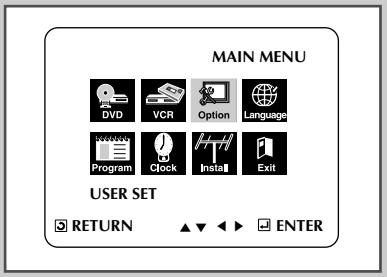
7 Press the ◄ or ► buttons until the picture is displayed according to your preferences.

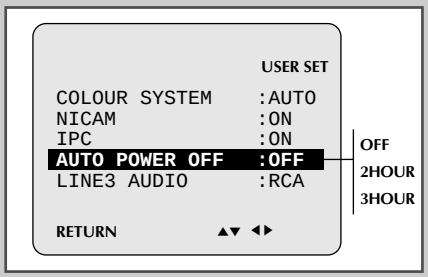
➢ If you do not press a button within ten seconds, the **PICTURE** menu disappears automatically.

8 On completion, press the RETURN button again.

Auto Power Off

GB





The Auto Power Off feature automatically turns off your DVD-VCR if no signal is received and you do not press any button for the selected time.

1 Press SETUP on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ or ◀, ▶ buttons to select the **USER SET** option.

3 Press the ENTER button to select this option.
Result: The **USER SET** menu is displayed.

4 Press the corresponding ▲ or ▼ buttons, until the **AUTO POWER OFF** option is selected.

5 Press the ▶ button, until you select the time of Auto Power off interval.

OFF → 2HOUR → 3HOUR

6 On completion, press RETURN twice to exit the menu.

Selecting the Cassette Type

VCR

GB

If you wish to use the tape counter to display the time remaining on a cassette, you must indicate the type of cassette inserted.

1 Press SETUP on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ or ◄, ► buttons to select the **VCR FUNCTION SETUP** option.

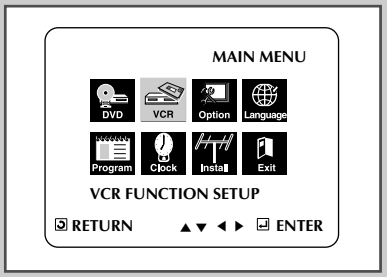
3 Press the ENTER button to select this option.

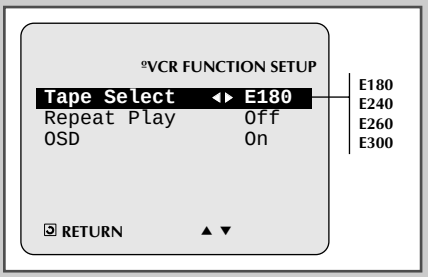
4 Press the corresponding ▲ or ▼ buttons, until the **TAPE SELECT** option is selected.

5 Press the ◄ or ► buttons as many times as required, until the correct cassette length is displayed.

E180 → E240
E300 ← E260

6 Press RETURN twice to exit the menu.





Auto Repeat Play

VCR

You can set repeat play to repeat the tape continuously from beginning to end.

1 Press SETUP on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ or ◄, ► buttons to select the **VCR FUNCTION SETUP** option.

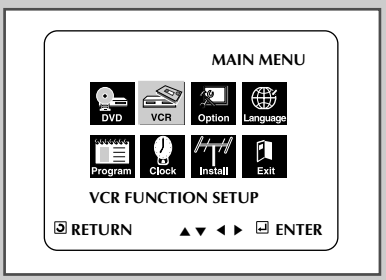
3 Press the ENTER button to select this option.
Result: The **VCR FUNCTION SETUP** menu is displayed.

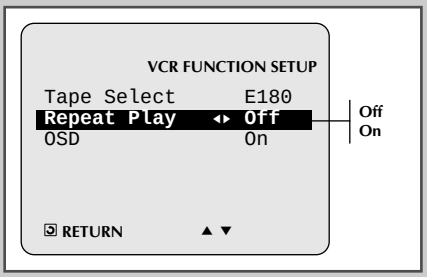
4 Press the corresponding ▲ or ▼ buttons, until the **REPEAT PLAY** option is selected.

5

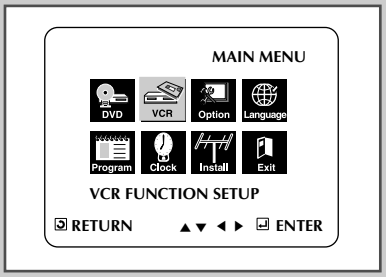
To...	Press ◄ or ►, until...
Repeat play	**ON** is displayed.
Do not wish to repeat play	**OFF** is displayed.

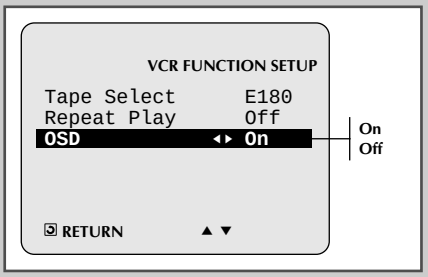
6 On completion, press RETURN twice to exit the menu.





VCR Displaying/Hiding On-Screen Information





Your DVD-VCR displays most information both on the DVD-VCR and the television.

You can choose to display or hide this information on the television screen (except for the Index, MAIN MENU and

Timer functions, which cannot be hidden).

1 Press SETUP on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ or ◀, ▶ buttons to select the **VCR FUNCTION SETUP** option.

3 Press the ENTER button to select this option.
Result: The **VCR FUNCTION SETUP** menu is displayed.

4 Press the corresponding ▲ or ▼ buttons, until the **OSD** option is selected.

5

To...	Press ◀ or ▶, until...
Display on-screen information	**ON** is displayed.
Hide on-screen information	**OFF** is displayed.

6 On completion, press RETURN twice to exit the menu.

VCR Selecting the Recording Speed

Type	Recording Time (in SP)
E-180	180 mins. or 3 hours
E-240	240 mins. or 4 hours
E-260	260 mins. or 4 hours and 20 mins.
E-300	300 mins. or 5 hours

You can record a cassette at two different speeds:

- ***SP (Standard Play)***
- ***LP (Long Play)***

In Long Play modes:

- ***Each cassette lasts twice as long***
- ***The recording is of a slightly lower quality***

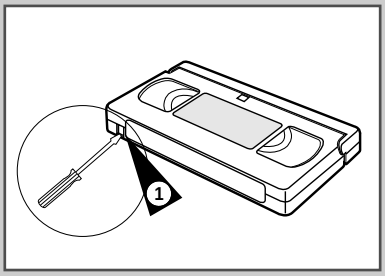
To record a cassette...	Press the SPEED button on the remote control, until...
In standard play mode	**SP** is displayed.
In long play mode	**LP** is displayed.

Protecting a Recorded Cassette

VCR

GB

Video cassettes have a safety tab to prevent accidental erasure. When this tab has been removed, you <u>cannot</u> record on the tape.



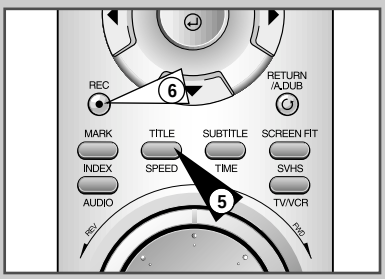
1 If you wish to protect a cassette, break off the tab using a small screwdriver.

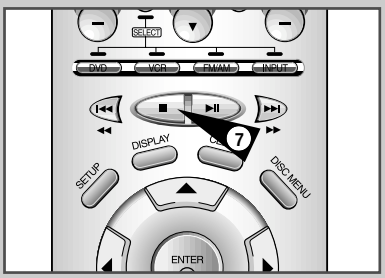
2 To re-record over a protected cassette (safety tab broken), cover the hole with adhesive tape.

Recording a Programme Immediately

VCR

Before recording a programme, you must have preset the corresponding station (unless you are recording via an external video source). If you have not done so, refer to pages 19 and 20.





1 Switch on the television.

2 To monitor the programme being recorded, select the television channel reserved for use with your DVD-VCR (or the AV input if used).

3 Insert the cassette on which the programme is to be recorded, with the window visible and the safety tab intact or the opening covered with adhesive tape.
<u>Result</u>: The DVD-VCR is switched on automatically.

4 Select:
- The station to be recorded using the PROG/TRK (▲ or ▼) buttons
  <u>or</u>
- The LINE source using the INPUT button for a satellite tuner or external video source

<u>Result</u>: The station number is displayed and the programme can be seen on the television.

5 Select the recording speed by pressing the SPEED button as many times as required (see page 28).

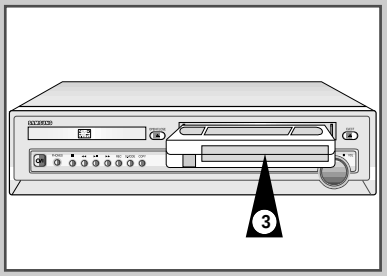
6 Hold REC (●) down for a while to start recording.
<u>Result</u>: The record indicator appears on the television and DVD-VCR display. An index is recorded on the tape (see page 36).

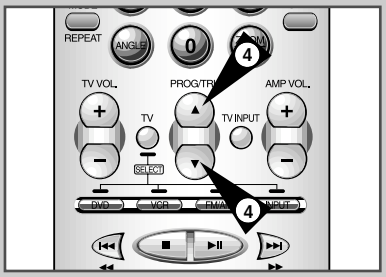
7 To stop recording, press ■ once.

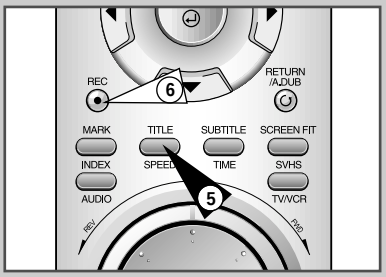
➢
- If your DVD-VCR ejects the cassette when you start recording, check to make sure that the cassette's safety tab is intact or that the opening (created by a broken safety tab) is covered with adhesive tape.
- If you reach the end of the tape while recording, the cassette rewinds automatically.

Recording a Programme with Automatic Stop

GB







This function enables you to record up to nine hours (LP) of programmes.

Your DVD-VCR stops automatically after the requested length of time.

1 Switch on the television.

2 To monitor the programme being recorded, select the television channel reserved for use with your DVD-VCR (or the AV input if used).

3 Insert the cassette on which the programme is to be recorded, with the window visible and the safety tab intact or the opening covered with adhesive tape.

Result: The DVD-VCR is switched on automatically.

4 Select:

- The station to be recorded using the PROG/TRK (▲ or ▼) buttons

or

- The LINE source using the INPUT button for a satellite tuner or external video source

Result: The channel number is displayed and the programme can be seen on the television.

5 Select the recording speed by pressing the SPEED button as many times as required (see page 28).

6 Hold the REC button (●) down for a while to start recording.

Result: The record indicator appears on the television screen and DVD-VCR display. An index is recorded on the tape (see page 36).

7 Press the REC button (●) several times to increase the recording time in:

- 30-minute intervals up to four hours
- 1-hour intervals up to nine hours (LP)

Result: The length is displayed on the television displays. The selected programme is recorded for the length of time requested. At the end of that time, the DVD-VCR stops recording automatically.

8 If you wish to cancel the recording before the end, press STANDBY/ON.

If the end of the tape is reached while recording:

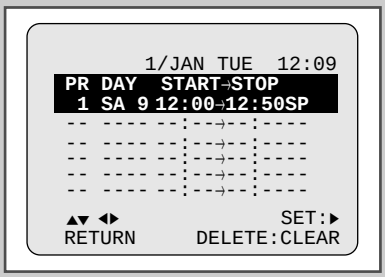
- The recording stops

Using the Timer Programming Feature

GB

The Timer Programming feature allows you to preset the DVD-VCR to record a programme up to one month before that programme is to be broadcast. Up to six programmes can be preset.

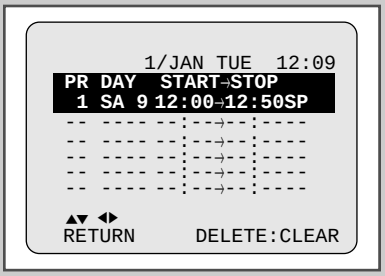
Before presetting a recording, check that the date and time are correct.



1	Insert the cassette and press TIMER on the remote control. Result: The timer programme is displayed.
2	Press ▶ to select the input source.
3	Select the required station by pressing the ▲, ▼ buttons.
4	Press ▶ to select the recording day.
5	Select the required day by pressing the ▲ or ▼ buttons.
6	Press ▶ to select the recording start time.
7	Select the required hour value by pressing the ▲ or ▼ buttons.
8	Press ▶ to select the minutes.
9	Select the required minute value by pressing the ▲ or ▼ buttons.
10	Press ▶ to select the recording stop time.
11	Select the required recording stop time by pressing the ▲ or ▼ buttons, following the same procedure as when selecting the recording start time.
12	Press ▶ to select the recording speed.
13	Press the ▲ or ▼ buttons to select the **SP** (Standard Play), **LP** (Long Play), **AUTO** (Auto Tape Speed Select) recording speeds.
14	When you have finished, press the RETURN button.
15	Press the STANDBY/ON button to activate the timer. Result: Before starting recording, the DVD-VCR compares the timer duration with the remaining time on the cassette.

Auto Tape Speed Select. The DVD-VCR's "Auto Tape Speed Select" function compares the duration of the timer recording to the actual recording time remaining on the tape loaded. If there is insufficient tape to complete a timer recording in AUTO mode, the DVD-VCR automatically switches to LP mode to record the whole programme.

VCR Checking a Preset Recording

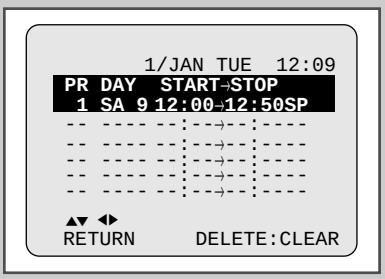


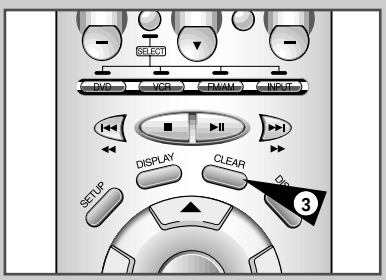
You can check your preset recordings:

- ***When you have finished presetting the DVD-VCR***
- ***If you have forgotten which programmes will be recorded***

1	Press TIMER on the remote control. Result: The timer programme is displayed.
2	Press the ▲ or ▼ buttons to select the required programme.
3	Press the ◀ or ▶ buttons to select and change any values as required. For more details, refer to the previous page.
4	On completion, press RETURN twice.

VCR Cancelling a Preset Programme





You can cancel any programmes that are:

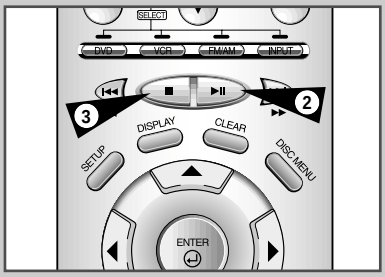
- ***Incorrect***
- ***No longer required***

1	Press TIMER on the remote control. Result: The timer programme is displayed.
2	Select the programme to be cancelled by pressing the ▲ or ▼ buttons.
3	Press the CLEAR button to cancel the selected programme. Result: All the recording information is deleted and the broadcast will not be recorded.
4	On completion, press RETURN twice.

Playing a Cassette

VCR

This function allows you to play back any pre-recorded cassette.



1 Switch on both the television and your DVD-VCR.

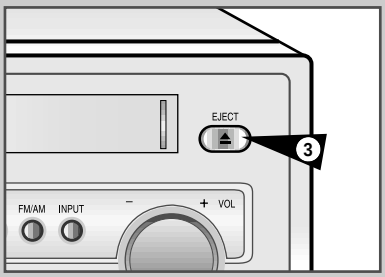
2 Insert the video cassette to be played. If the safety tab on the cassette is intact, press ►II.

Otherwise, the cassette is played automatically.

➢ When a cassette is loaded, the tape position is optimized automatically to reduce disturbance (Digital Auto Tracking).

When playing a cassette, if the end of the tape is reached, the cassette is rewound automatically.

NTSC tapes can be played back but cannot be recorded with this DVD-VCR.



3

To...	Then press...
Stop the playback	■ (STOP).
Eject the cassette	⏏ (EJECT).

Adjusting Picture Alignment Automatically

VCR

The Picture Alignment feature enables you to optimize the tape position automatically to obtain the best possible picture.

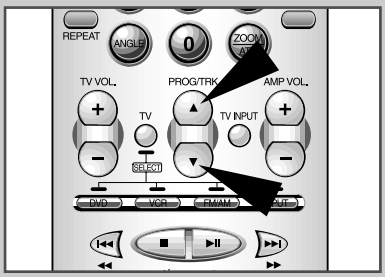
When noise bars or streaks appear during playback, adjust picture alignment by pressing the ATR button.

Result:
- The tracking bar appears.
- The picture is automatically adjusted.
- The tracking bar disappears when digital auto tracking has been completed.

Adjusting Picture Alignment Manually

VCR

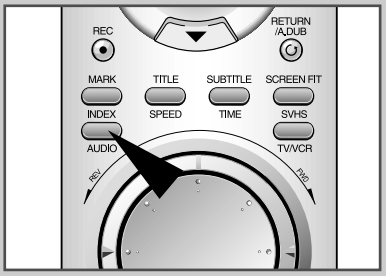
The Picture Adjustment feature allows you to adjust the alignment manually to obtain the best possible picture.

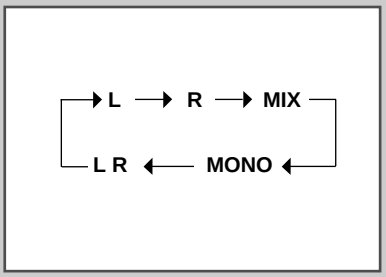


When noise bars or streaks appear during playback, adjust alignment manually by pressing the PROG/TRK (▲ or ▼) buttons until the picture is clear and stable.

Result:
- The tracking bar appears.
- The image is adjusted.
- The tracking bar disappears when you release the button.

VCR Selecting the Audio Output Mode



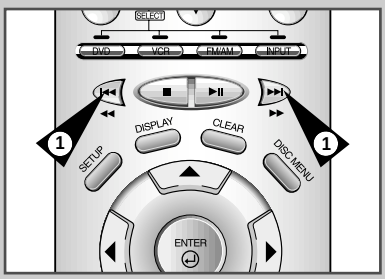


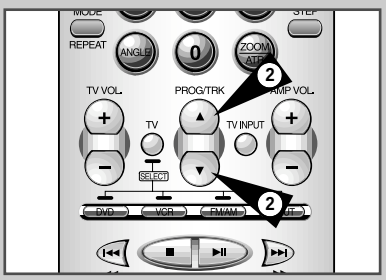
You can select the mode in which the sound is reproduced on the loudspeakers and AV outputs. The following options are available.

Option	Description
L	Used to listen to the sound on the left Hi-Fi channel.
R	Used to listen to the sound on the right Hi-Fi channel.
MIX	Used to listen to the mixed sound of the Hi-Fi and normal channels.
MONO	Used to listen to the sound on the normal mono channel.
L R	Used to listen to Hi-Fi stereo sound on the left and right channels. ➢ When playing back tapes recorded in Hi-Fi, the sound switches to Hi-Fi after five seconds of Mono.

To select the sound mode, simply press the AUDIO button on the remote control until the required option is displayed.

VCR Playing a Cassette in Slow Motion





You can play a cassette in slow motion.

➢ No sound is heard when playing back a cassette in slow motion.

1 Press:
- ►II to start playing the cassette
- ►II button one more time to make STILL mode.
- ▸▸ to start SLOW mode.
- ▸▸ or ◂◂ button as many times as required to decrease or increase the speed respectively
- To return to the normal speed, press the ►II button twice.

2 When playing back in slow motion, picture interference may occur. Press the PROG/TRK (▲ or ▼) buttons to minimize this effect.

When you have been using the Slow Motion function for more than about five minutes, the DVD-VCR will automatically play to protect the:
- Cassette
- Video heads

Playing a Sequence Frame by Frame

VCR

GB

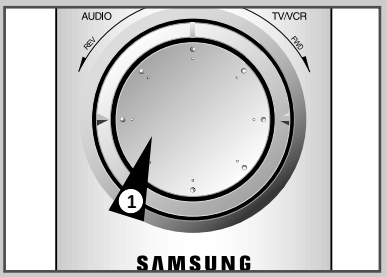
You can:

- ***Stop the cassette at a given frame (image)***
- ***Advance one frame at a time***

No sound is heard when playing back frame by frame.

1 Press:
- ►II to start playing the cassette
- ►II to still the tape at a given frame
- Turn the JOG Dial to advance frame by frame

2 To return to normal playback, press ►II.



When you have been using the Frame-by-Frame function for more than about five minutes, the DVD-VCR will automatically play to protect the cassette and video heads.

Vertical stability: When playing back frame by frame, interference may be seen on the screen. Press the PROG/TRK buttons to minimize this effect.

Playing a Sequence at Variable Speeds

VCR

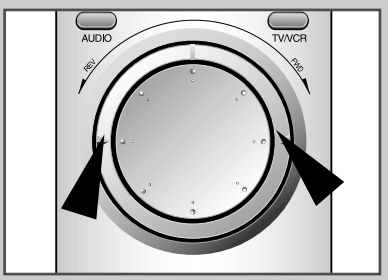
You can vary the playback speed using the Shuttle function (up to nine times the normal speed).

Example: ***You wish to analyze a sportsperson's technique, movement by movement.***

The Shuttle function is available on the Remote control

No sound is heard when playing a sequence at variable speeds.

Press:
- ►II during playback
- Turn the SHUTTLE dial to left to play the cassette backwards
- Turn the SHUTTLE dial to right to play the cassette forwards



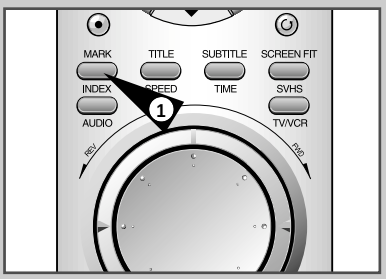
GB

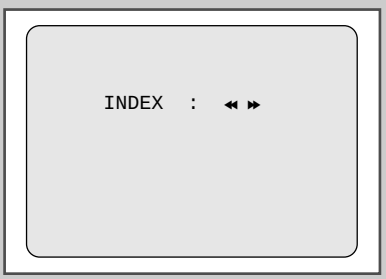
VCR Picture Search, Fast Forward/Rewind

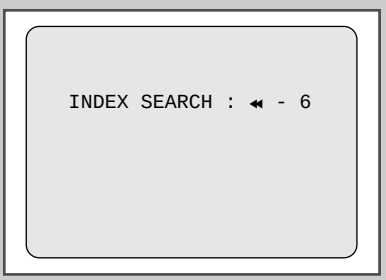
Picture Search enables you to Fast Forward or Rewind and look for a particular part of a tape.

1	Press PLAY, the VCR will enter normal play mode. While in play, press and release the ▶▶ (or ◀◀) button. The VCR will search at 5 times the normal playback speed.
2	To return to normal playback mode, press the ▶II button.
3	If you press and HOLD down the ▶▶ (or ◀◀) button the VCR will search at 9 times the normal speed. Releasing the ▶▶ button will return the VCR to search at 5 times the normal speed. To return to normal playback mode, press the ▶II button.
4	Whilst in Picture Search mode, if you press the ▶▶ button again, the VCR will enter normal Fast Forward mode.
5	Likewise, whilst in Picture Search ◀◀ mode, if you press the ◀◀ button again, the VCR will enter normal Rewind mode.
6	If, when Redwinding (◀◀) or Fast Forwarding (▶▶), you press the ◀◀ (or ▶▶) button, the VCR will enter the Picture Search mode.

VCR Searching for a Specific Sequence







Each time you record a cassette on this VCR, an "index" is automatically marked on the tape when recording starts.

The Search function allows you to fast-forward or rewind to a specific index and start playback from that point. Depending on the direction selected, the indexes are numbered as follows:

		↓		
etc.	*Prev Seq.*	*Seq. being played*	*Next Seq.*	*etc.*
	2 *1*		*1* *2*	

➢ This VCR uses a standard indexing system (VISS). As a result, it will recognize any indexes marked by other VCRs using the same system and vice versa.

INTRO SCAN

1	To search for a specific index, press INDEX.
2	Press the ◀◀ or ▶▶ buttons depending on the direction where your desired programme is located.
3	When an Index mark is found the VCR will playback the tape for 5 seconds, after which it will continue searching for the next Index mark.
4	If you want to watch the tape from a particular Index, simply press ▶II.

Index Skip Search:

This feature will enable you to fast forward/rewind to a specific point on a tape: E.g. if you have recorded 3 different programmes on a tape and you have rewound the tape to the beginning, by using this feature you can go directly to the start of programme 2 simply by pressing the INDEX button.

1	Press the INDEX to start the Index search.
2	Press the ◀◀ or ▶▶ buttons twice more. This will take you directly to the start of the desired programme is located.
3	These Index searches can be made forwards: (press ▶▶) or backwards: (press ◀◀).
4	To cancel an Index search simply press the ▶II or ■ button.

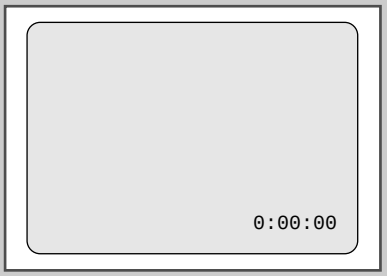
Using the Tape Counter

GB

The tape counter:

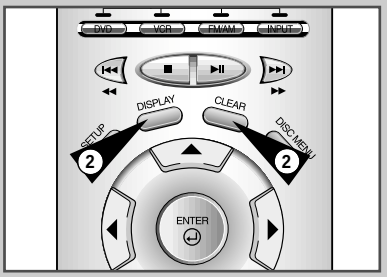
- ***Indicates the elapsed time in the play and record modes (hours, minutes and seconds)***
- ***Is reset when a cassette is inserted in the DVD-VCR***
- ***Allows you to find the beginning of a sequence easily***

If the remaining time is to be calculated correctly, you must indicate the type of cassette being used.



1 Insert a cassette in your DVD-VCR.

2 To set the tape counter to zero at the beginning of a sequence:
- Press DISPLAY twice to display the counter
- Press CLEAR when you want to set the tape counter to zero



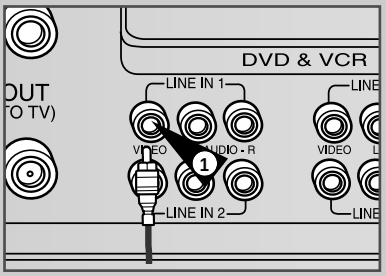
3 When you are ready,
- Start playback or Recording.
- Press the ■ button.
- To fast-forward or rewind to the sequence at which the counter was set to zero, press ◀◀ or ▶▶.

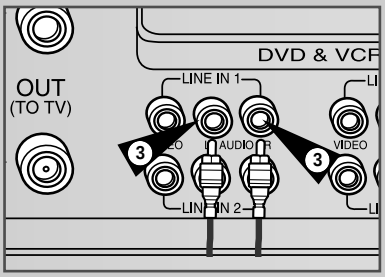
Some DVD-VCR information, such as the counter, can be displayed on the television screen (unless you have deactivated the OSD mode; refer to page 28).

Press DISPLAY:
- Once to display the current function, programme number, recording speed, date, time and counter
- Twice to display the counter only
- Three times to display the time remaining on the cassette
- Four times to clear the display

Connecting an RCA Audio/Video Input Cable

GB





You can connect other audio/video equipment to your DVD-VCR using audio/video cables if the appropriate outputs are available on the equipment chosen.

Examples:
- ***You wish to copy a video cassette with the help of a second VCR (see page 39).***
- ***You wish to play back and/or copy pictures taken with a camcorder (see page 39).***

☞
- Make sure that both the television and the DVD-VCR are switched off before connecting the cables.

1 Connect one end of the RCA audio/video cable into the VIDEO socket on the Front of the DVD-VCR.

2 Plug the other end of the audio/video cable into the appropriate output connector on the other system (VCR or camcorder).

3 Connect one end of the RCA audio cable into the AUDIO sockets on the Front of the DVD-VCR.

➢ Take care to respect the colour coding of the left and right channels.

4 Plug the other end of the audio cable into the appropriate output connectors on the other system (VCR, camcorder or Hi-Fi sound system).

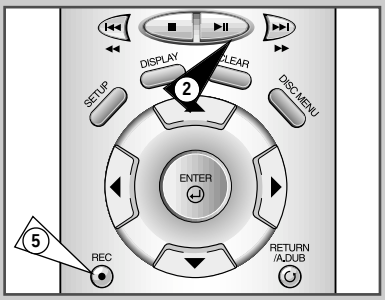
Using the Assemble Edit Function

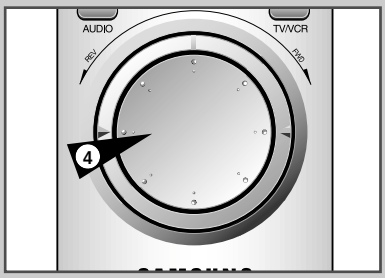
VCR

GB

This function allows you to start a new recording at a specific position on the cassette while maintaining a very smooth scene change.

1	Insert the cassette to be edited in your DVD-VCR.
2	Press the ►II button to start playback.
3	When you reach the position from which you wish to start the new recording, press the ►II button.
4	Turn the JOG Dial again as often as necessary to advance frame by frame, until the exact recording position is located.
5	While the DVD-VCR is in still mode, hold the REC button (●) down for a while to activate the Assemble Edit function. Result: Record symbol flashes in the display.
6	Select the source from which you wish to record by pressing: ◆ The PROG/TRK (▲ or ▼) buttons for television channels ◆ The INPUT button for the LINE input sources
7	Press the ►II button to start recording.
8	When you have finished recording, press ■.





Recording from Another VCR or Camcorder

VCR

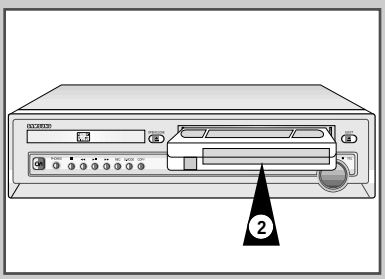
You can copy a cassette to your DVD-VCR from another video source, such as another VCR or a camcorder.

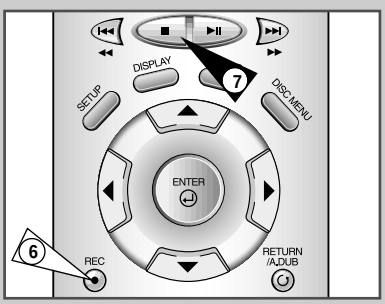
It is an infringement of copyright laws to copy prerecorded cassettes or to re-record them in any form without the permission of the owners of the corresponding copyright.

1	Connect the DVD-VCR, from which the cassette is to be copied, to the appropriate RCA audio and video input connectors on the rear of your DVD-VCR, as indicated on page 12.
2	Insert a blank cassette in your DVD-VCR.
3	Insert the pre-recorded cassette in the other video source (VCR or camcorder).
4	Press the INPUT button to select the appropriate input on your DVD-VCR: LINE IN for the RCA input
5	Start playing back the cassette to be copied.
6	Hold REC (●) down for a while to start recording on your DVD-VCR.
7	When you have finished recording, press ■ on both VCR and DVD-VCR.

If you wish to view the cassette being copied:

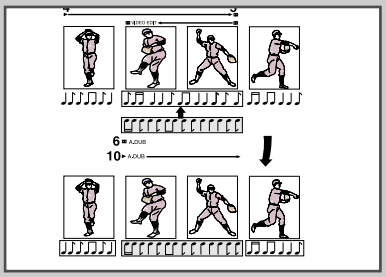
- Your DVD-VCR must be connected as usual to the television (see page 11 for further details)

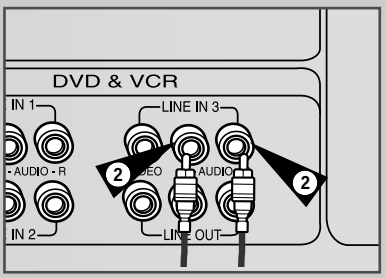


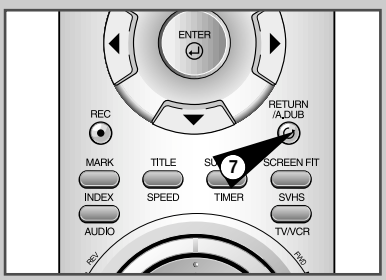


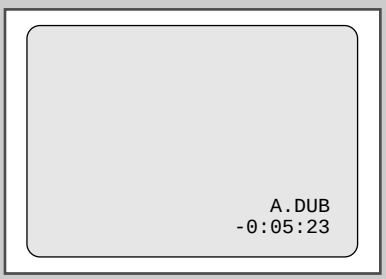
Audio Dubbing a Pre-recorded Cassette

GB









With the Audio Dubbing function, you erase the previously recorded sound and replace it with a new soundtrack from:

- ***A CD, DVD***
- ***A microphone connected to a sound system***
- ***A cassette player***

Restriction:

Audio dubbing is applicable only to the longitudinal audio track (normal audio).

1 Connect an RCA audio cable to the appropriate output on your sound system (cassette player for example).

2 Connect the other end of the RCA audio cable to the audio input connectors (L, R) on the Rear of your DVD-VCR.

3 Insert the pre-recorded cassette on which the audio track is to be replaced, and press the ►II to start playback.

4 Search for the Audio Dubbing (ending) point using the ▶▶, and set the counter to 0:00:00 by pressing CLEAR.

5 Search back slightly beyond the Audio Dub start point using the ◀◀ button.

6 Press the ►II button.
Press the ►II button one more time to make STILL mode.

7 Press A.DUB.
Result: Your DVD-VCR is now in the Audio dubbing Still mode.

8 On the sound system, locate the point on the cassette at which you wish to start playback.
Example: The track that you wish to record on the cassette.

9 When you are ready:
- Start playback on the sound system
- Press the REC on the remote control.

Result: The soundtrack is replaced on the pre-recorded cassette.

10 The audio dubbing will finish when the counter reaches 0:00:00.

➢ The new sound will be recorded on the normal sound track of the tape, and the original sound will remain on the Hi-Fi sound track.
To hear the new sound and original sound mixed together, press the Audio button on the remote control until the MIX option is displayed (see page 34).

Using the TV Buttons on the Remote Control

VCR

GB

Your DVD-VCR remote control will work with Samsung televisions and compatible brands.

To determine whether your television is compatible, follow the instructions below.

1 Switch your television on.

2 Point the remote control towards the television.

3 Hold down the TV button and enter the two-figure code corresponding to the brand of your television, by pressing the appropriate numeric buttons.

Brand	Codes	Brand	Codes
SAMSUNG	01 to 06	PHILIPS	02, 20, 22
AKAI	09, 23	SABA	13, 14, 22 to 24
GRUNDIG	09, 17, 21	SONY	15, 16
LOEWE	02	THOMSON	13, 14, 24
PANASONIC	08, 23 to 27	TOSHIBA	07, 16 to 19, 21

Result: If your television is compatible with the remote control, it will switch off. It is now programmed to operate with the remote control.

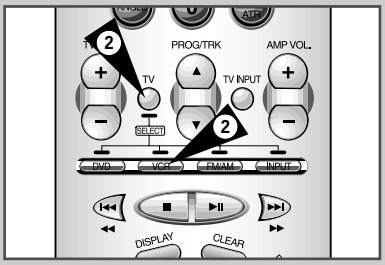
➢ If several codes are indicated for your television brand, try each one in turn until you find one that works.

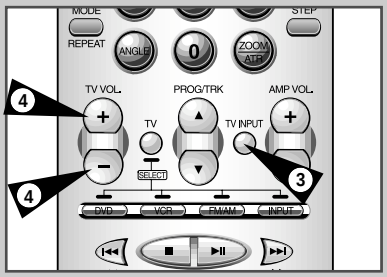
When you change the batteries in the remote control, you must reprogramme the code, following the same procedure.

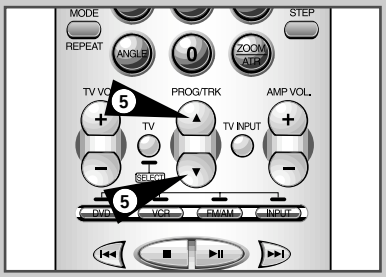
You can then control the television using the following buttons.

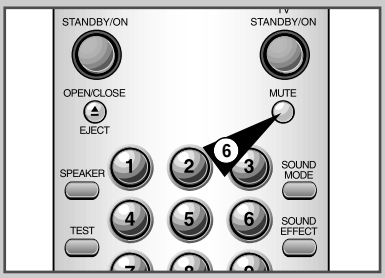
Button	Function
TV STANDBY/ON ①	Used to switch the television on and off.
TV or VCR ②	Used to switch the between the TV or VCR modes.
TV INPUT ③	Used to select an external source.
TV VOL + or – ④	Used to adjust the volume of the television.
PROG/TRK ⑤ (▲ or ▼)	Used to select the required programme.
MUTE ⑥	Used to mute the volume of the television.

➢ The various functions will not necessarily work on all televisions. If you encounter problems, operate the television directly.

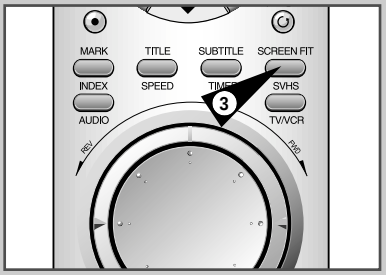








SQPB (Super VHS Quasi Playback)



This function is for playback of Super VHS format tapes only, not for recording.

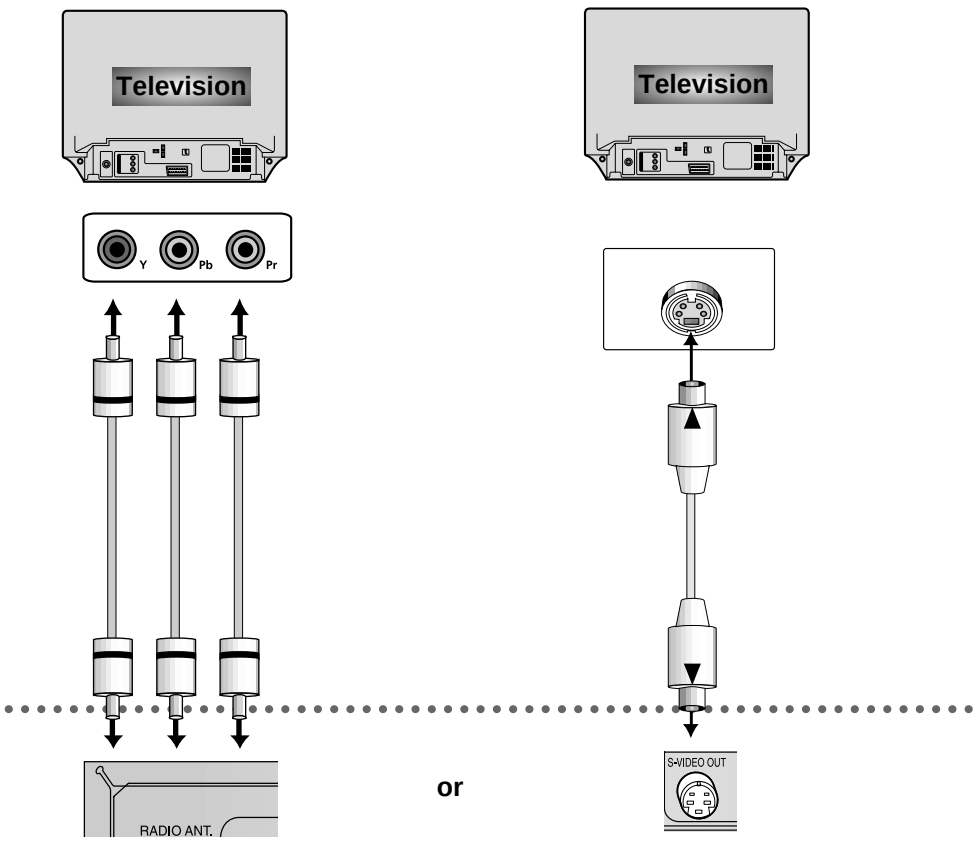
1	Inset the SVHS format tape that you want to see.
2	Press PLAY (►II) to start playing the cassette.
3	Press SVHS button to start SQPB.

If the SQPB is on during normal playback, the video output is distorted.

GB

The following show examples of connections commonly used to connect the DVD-VCR with a TV and other components. It is only available for DVD. The VCR out can not watch by this connection.

Connection to an Television

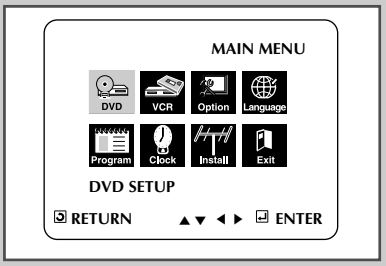


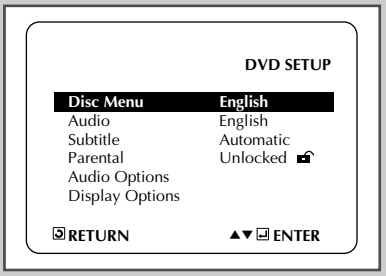
Component Jack

Super Jack

Using the Setup Menu

GB





The Setup menu lets you customize your DVD-VCR by allowing you to select various language preferences, set up a parental level, even adjust the player to the type of television screen you have.

1 With the unit in Stop mode, press the SETUP button on the remote.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ or ◄, ► buttons to select the DVD option.

3 Press the ENTER button to select this option.
Result: The DVD SETUP menu is displayed.

- **Disc Menu :** Setup of the Menu Language
  Use the Menu preference menu to select the language you want a DVD's disc menu to be displayed in.
- **Audio :** Setup of the Audio Language
  Use the Audio preference menu to select the soundtrack language.
- **Subtitle :** Setup of the Subtitle Language
  Use the Subtitle preference menu to select the language the disc's subtitles are to be displayed in.
- **Parental :** Setup of the Parental Level
  Allows users to set the level necessary to prevent children from viewing unsuitable movies such as those with violence, adult subject matter, etc.
- **Audio Options :** Setup of the Audio Options
- **Display Opteions:** Setup of the Display Options use to select which type of screen you want to watch and several display options.

4 Use the ▲ or ▼ buttons on the remote to access the different features.

5 Press the ENTER button to access the sub features.

- To make the setup screen disappear after setting up, press the SETUP button again.

➢ ***Depending on the disc, some Setup Menu selections may not work.***

Using the Disc Menu Language

DVD

GB

This function changes the text language only on the disc menu screens.

1 With the unit in Stop mode, press the SETUP button on the remote.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ or ◄, ► buttons to select the DVD option.

3 Press the ENTER button to select this option.
Result: The DVD SETUP menu is displayed.

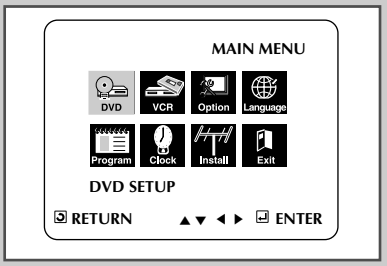
4 Use the ▲ or ▼ buttons to select Disc Menu.

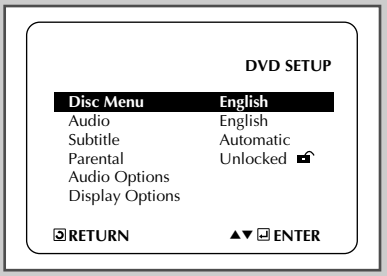
5 Press the ENTER button.

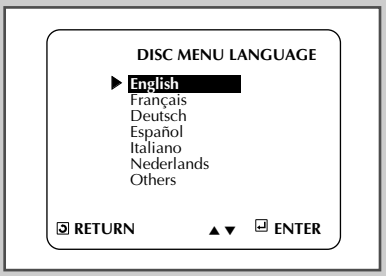
6 Use the ▲ or ▼ buttons to select 'English'.
- Select "Others" if the language you want is not listed.

7 Press the ENTER button.
- English is selected and the screen returns to SETUP MENU.

➢ ***How to make the SETUP MENU disappear or return to menu screen during setup ; Press RETURN button.***

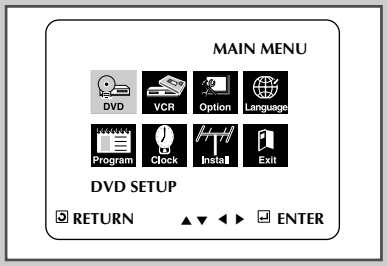


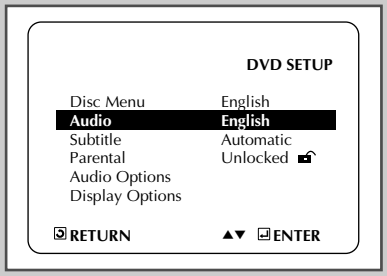




GB

DVD Setting Up the Audio Language Features





Using the Audio Language:

1 With the unit in Stop mode, press the SETUP button on the remote.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ or ◄, ► buttons to select the DVD option.

3 Press the ENTER button to select this option.
Result: The DVD SETUP menu is displayed.

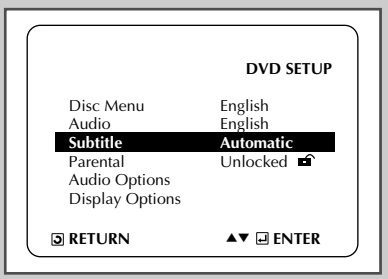
4 Press the ▲ or ▼ buttons to move to Audio.

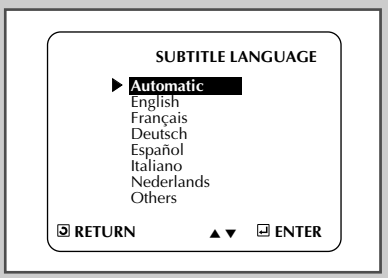
5 Press the ENTER button.

6 Press the ▲ or ▼ buttons to select 'English' .
- Select "Original" if you want the default soundtrack language to be the original language the disc is recorded in.
- Select "Others" if the language you want is not listed.

7 Press the ENTER button.
- English is selected and the screen returns to SETUP MENU.

DVD Using the Subtitle Language





1 With the unit in Stop mode, press the SETUP button on the remote.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ or ◄, ► buttons to select the DVD option.

3 Press the ENTER button to select this option.
Result: The SETUP MENU menu is displayed.

4 Use the ▲ or ▼ buttons to select Subtitle.

5 Press the ENTER button.

6 Use the ▲ or ▼ buttons to select 'English'.
- Select "Automatic" if you want the subtitle language to be the same as the language selected as the audio preference.
- Select "Others" if the language you want is not listed. Some discs may not contain the language you select asyour initial language; in that case the disc will use itsoriginal language setting.

7 Press the ENTER button.
- English is selected and the screen returns to SETUP MENU.

➢
- ***If the selected language is not recorded on the disc, the original pre-recorded language is selected.***
- ***How to make the SETUP MENU disappear or return to menu screen during set up; Press RETURN button.***

Setting Up the Parental Control

DVD

GB

The Parental Control function works in conjunction with DVDs that have been assigned a rating - which helps you control the types of DVDs that your family watches. There are up to 8 rating levels on a disc.

1 With the unit in Stop mode, press the SETUP button on the remote.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ or ◄, ► buttons to select the DVD option.

3 Press the ENTER button to select this option.
Result: The DVD SETUP menu is displayed.

4 Use ▲ or ▼ to select Parental. Press ENTER. The Parental Control screen appears.

5 Use ◄ or ► to select Yes if you want to use a password. Press ENTER. The Enter Password screen appears.

6 Enter your password. The Re-enter Password screen appears to confirm the password. Enter your password again. The Parental Control screen appears.

7 About the Rating Level :

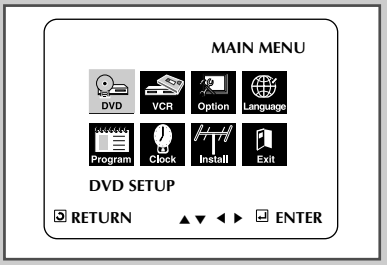
- The Rating Level will work only when Use Password is set to Yes. To unlock the player, use ◄ or ► to select No. Use ▲ or ▼ to select Rating level. Press ENTER.
- Use ▲ or ▼ to select the level(e.g. Level 6) and press ENTER. Discs that contain Level 7 will now not play.
- To cancel the rating level, use ◄ or ► to select No in Use Password.

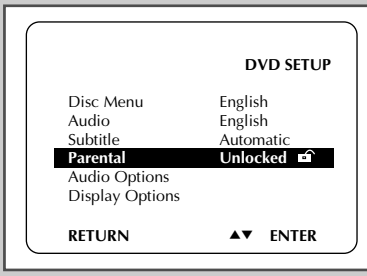
8 About the Change Password:

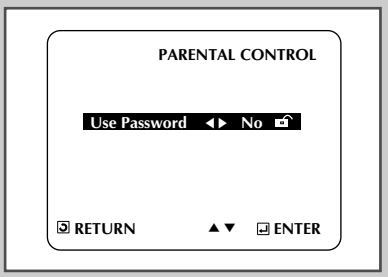
- Use ▲ or ▼ to select Change Password. The Change Password screen appears.
- Enter your new password. Re-enter the new password again.

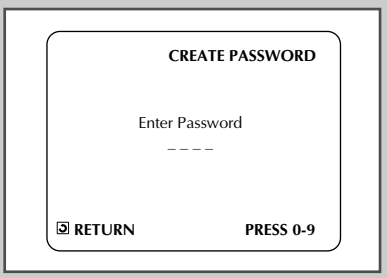
➢

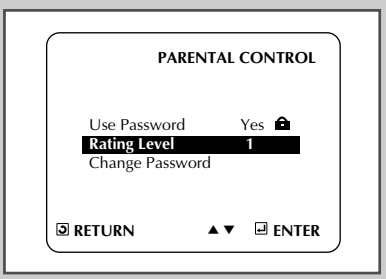
- ***How to make the SETUP MENU disappear or return to menu screen during set up; Press RETURN button.***
- ***If you have forgotten your password, see Forget Password in the Troubleshooting Guide.***

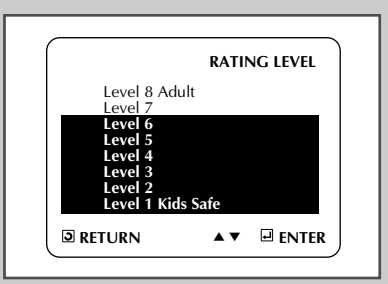




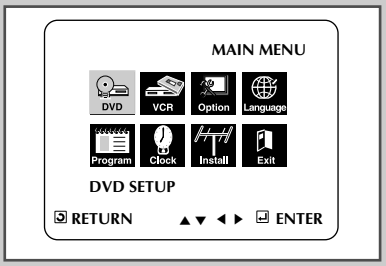


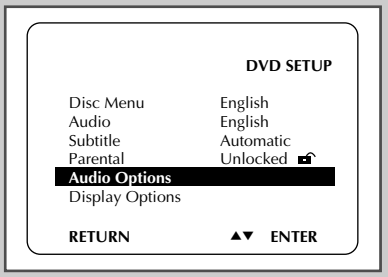


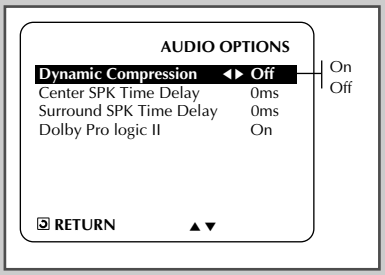




Setting Up the Audio Options







1 With the unit in Stop mode, press the SETUP button on the remote.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ or ◄, ► buttons to select the DVD option.

3 Press the ENTER button to select this option.
Result: The DVD SETUP menu is displayed.

4 Use the ▲ or ▼ buttons to select Audio Options. Then press the ENTER button.

5 Use the ▲ or ▼ buttons to select the desired item. Then press the ◄ or ► buttons.

- Dynamic Compression
  - On : To select dynamic compression.
  - Off : To select the standard range.
- Center SPK Time Delay (See Page 65)
- Surround SPK Time Delay (See Page 65)
- Dolby Prologic II (See Page 67)

➢ ***• How to make the SETUP MENU disappear or return to menu screen during set up: Press RETURN button.***

Setting Up the Display Options

DVD

GB

1 With the unit in Stop mode, press the SETUP button on the remote.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ or ◄, ► buttons to select the DVD option.

3 Press the ENTER button to select this option.
Result: The DVD SETUP menu is displayed.

4 Use the ▲or ▼ buttons to select Display Options.
Then press the ENTER button.

5 Use the ▲or ▼ buttons to select the desired item.
Then press the ◄ or ► buttons or then press the ENTER button.
Use the ▲ or ▼ buttons to select the desired item.
Then press the ENTER button.

- **TV Aspect**
  Depending on the type of television you have, you may want to adjust the screen setting (aspect ratio).

  4:3 Letter Box : Select when you want to see the total 16:9 ratio screen DVD supplies, even though you have a TV with a 4:3 ratio screen. Black bars will appear at the top and bottom of the screen.

  4:3 Pan-Scan : Select this for conventional size TVs when you want to see the central portion of the 16:9 screen. (Extreme left and right side of movie picture will be cut off.)

  16:9 Wide : You can view the full 16:9 picture on your widescreen TV.

- **Black Level**
  Adjusts the brightness of the screen.

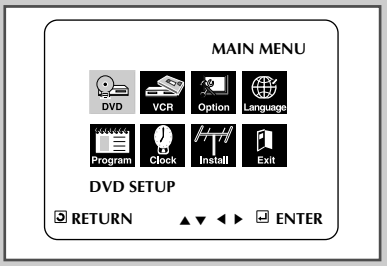
- **NTSC Disc Output**
  Depending on a disc, you can play a NTSC DVD disc by NTSC Disc Output mode.

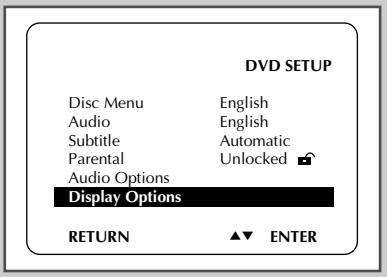
- **DVD Out**
  Component : Sends COMPONENT signal (Y, Pb, Pr) to the component video out JACK.

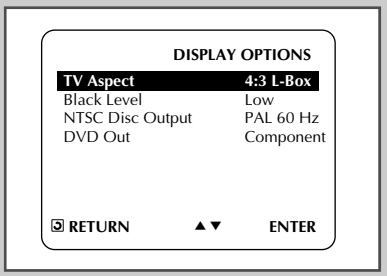
  S-Video : Sends S-VIDEO signal to the S-VIDEO OUT JACK.

  Video : Sends Composite signal to the Line out JACK

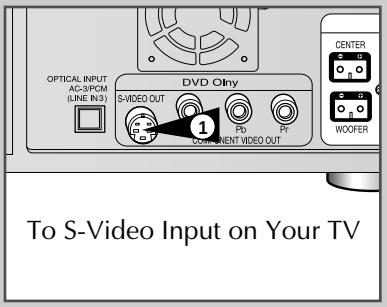
- ***How to make the SETUP MENU disappear or return to menu screen during set up: Press the RETURN button.***







S-Video Connections (for DVD)



To S-Video Input on Your TV

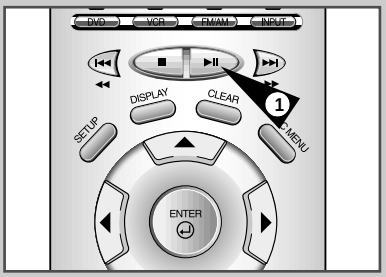
The S-Video is only for the DVD player. The tuner and VCR will still be viewed through the RF or line inputs.
You must follow the "DVD Out" instructions on page 49 to activate your alternative (S-Video) video selection.
If your television is equipped with S-Video input, you can enjoy superior video quality when watching DVDs with your DVD-VCR.

1 Connect S-Video Out to TV

Connect an S-Video cable from the S-Video Out on the back panel of the DVD-VCR to the S-Video Input on your television.

GB

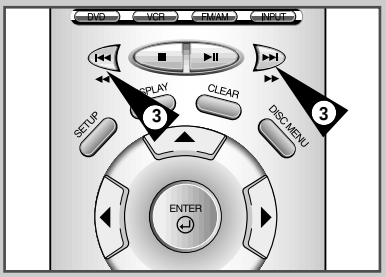
During DVD/CD playback you can select from the following special playback options. To resume normal playback, press the ►II (Play/Still) button.



1 Still

Press the ►II (Play/Still) button on the remote control during playback.

- The picture will still and the audio will mute.
- To resume playback, press the ►II (Play/Still) button.
- If the player is left in Still mode for 5 minutes, it will stop automatically.

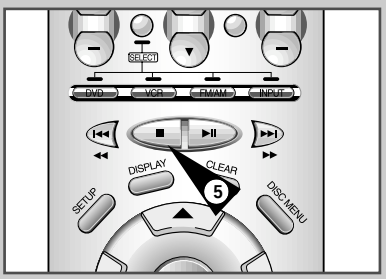


2 Frame Advance (Step)

While in Still mode, turn the JOG dial on the remote control to advance one frame at a time.

- Audio is muted during Frame Advance mode.
- Press ►II (Play/Still) to resume normal playback.

NOTE: Frame Advance operates only in the forward direction.



3 Skip Forward/Back

While a CD or DVD disc is in Play mode, press the Skip Forward/Back (▶▶I / I◀◀) buttons on the remote control or front panel to jump forward and backward through disc chapters/tracks.

- Skip Forward will jump to the next chapter/track.
- Skip Back will jump to the beginning of the current chapter/track.
- Press Skip Back again to jump to the beginning of the previous chapter/track.

Search Forward/Back

While a disc is in Play mode, press and hold the Forward/Back (▶▶ / ◀◀) buttons on the remote control or front panel to visually search forward/backward at 2X - 4X - 8X - 16X - 32X - 128X speed. Press ►II (Play/Still) button to resume normal speed.

- During CD play back, ▶▶ / ◀◀ buttons on the remote control don't operate but the shuttle allow you to select playback speed (2X, 4X, and 8X)

4 Slow Motion

During playback, press the ►II (Play/Still) button to Still the image. Then use the Search Forward (▶▶) to play in slow motion at variable speeds.

- Each press increases the slow motion speed playback to 1/8, 1/4 or 1/2 normal speed.
- Audio is muted during slow motion playback.
- Front Panel Slow Motion Buttons - Press and hold the Forward buttons on the front panel to activate slow motion playback. Press the ►II (Play/Still) button to resume normal playback.
- Slow motion operates only in the forward direetion.

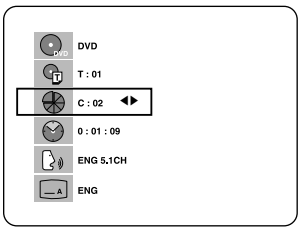
5 Stop/Resume

- Press the Stop button once to stop playback. To resume the DVD/CD from the point where the disc stopped, press the ►II (Play/Still) button.
- Press the ■ (Stop) button twice to completely stop playback. The next time you press ►II (Play/Still), the disc will start over from the beginning.

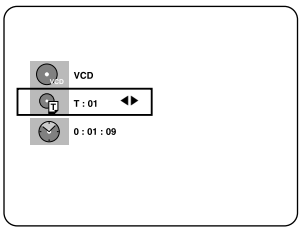
Using the Display Function (DVD/VCD/CD)

GB

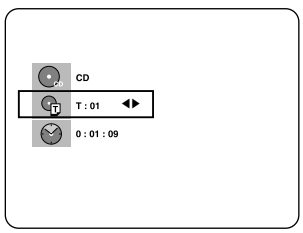
DVD



VCD



CD



When Playing a DVD

1 During play, press the DISPLAY button on the remote.

- Current title, chapter number, elapsed time, audio and subtitle will be displayed.
- Use the NUMBER buttons to enter a different title, then press the ENTER button.
- Use the ◀, ▶ or NUMBER buttons to enter a chapter number, then press the ENTER button.
- To enter the time from which you want to start, use the ▲ or ▼ buttons to select, then use the NUMBER buttons to enter the time. Then press the ENTER button.
- To make the screen disappear, press the DISPLAY button again.

When Playing a CD/VCD

1 During play, press the DISPLAY button on the remote.

- Current track NUMBER and elapsed time will be displayed.
- Use the ▲or ▼ buttons to select a track. Use the ◀ or ▶ buttons or NUMBER buttons to enter a different track number, then press the ENTER button.
- To enter the time from which you want to start, use the ▲or ▼ buttons to select, then use the NUMBER buttons to enter the time. Press the ENTER button.
- To make the screen disappear, press the DISPLAY button again.

➢ ***What is a Chapter?***
Each Title on a DVD is usually divided into chapters (similar to tracks on an audio CD).

What is a Title?
A DVD may contain several different titles. For example, if a disc contains four different movies, each might be considered a title.

Repeat Play

DVD

GB

Repeat the current track, chapter, title, a chosen section (A-B), or all of the disc.

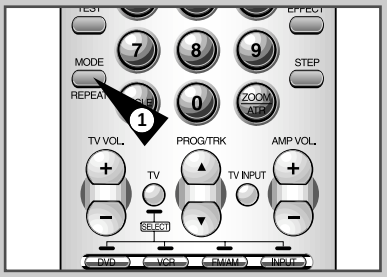
1 Press the REPEAT button on the remote. Repeat screen appears.

2 Select Chapter, Title or A-B using the ◀ or ▶ buttons.

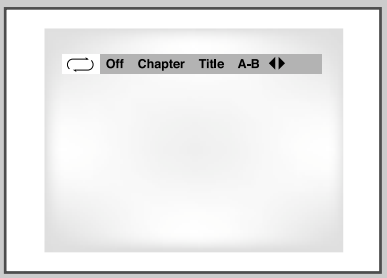
- Repeat A-B
- Press the REPEAT button. Select A-B on screen with the ◀ or ▶ buttons on the remote.
- Press ENTER at the point where you want the repeat play to start (A). The B is automatically highlighted.
- Press ENTER at the point where you want the repeat play to stop (B).

3 Press ENTER.

4 To return to normal play, press REPEAT again, then press the ◀ or ▶ buttons to select Off and press ENTER.



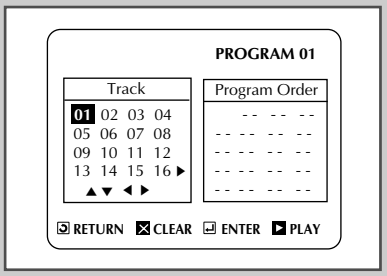
DVD

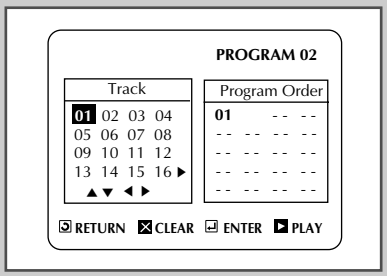


VCD

- ***DVD repeats play by chapter or title, VCD repeat play by disc or track.***
- ***Depending on the disc, the Repeat function may not work.***
- ***If the title or track is completed before marking the end (B), the end of title or track becomes B automatically.***
- ***When in VCD 2.0 mode (MENU ON mode), this function does not work.***

DVD Program Play (CD)





1 Press the MODE button.

2 Use the ◄ or ► buttons to select PROGRAM. Press the ENTER button.

3 Use the ◄ or ► buttons to select the first chapter (or track) to add to the program. Press the ENTER button. The selection numbers appear in the Program Order box.

4 Press the PLAY/STILL button. The disc will be played in programmed order.

- While in playback mode, press the CLEAR button on the remote control to cancel Programmed Play.

DVD Random Play (CD)

1 Press the MODE button.

2 Use the ◄ or ► buttons to select RANDOM. Press the ENTER button. The disc will be played in random order.

- Press the CLEAR button on the remote control to cancel Random Play.

- ***Depending on the disc, the Program and Random Play function may not work.***
- ***When in VCD 2.0 mode (MENU ON mode), these functions do not work.***
- ***To resume normal play, press the CLEAR button.***

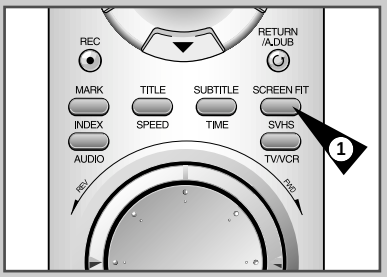
SCREEN FIT Play

DVD

GB

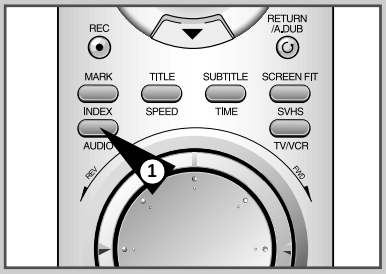
1 During play, press SCREEN FIT button on remote control.

- Allows you to eliminate the black bars in the top and bottom of the screen when a movie is playing in the Widescreen format (16:9).
- Screen Fit will not work when the Zoom mode is active. (you can not remove the black bars on the screen) However, Zoom mode will work when Screen Fit is active.

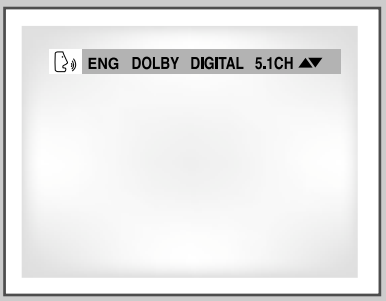


• Various aspect ratios are available only in multiple screen format discs.
• This function does not work when a DVD has been recorded with a multi-camera angle format.
• On some DVDs, the black bars cannot be eliminated due to their aspect ratio.

DVD Selecting the Audio Language (Using the Audio button)



DVD

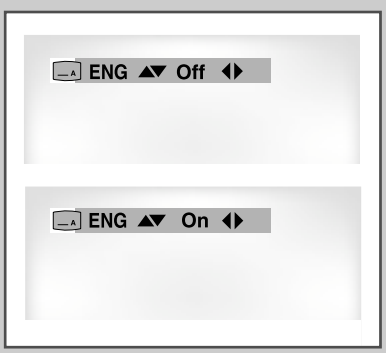


You can select a desired language quickly and easily with the AUDIO button.

1	Press the AUDIO button.
2	Use the ▲ or ▼ buttons to select the desired language on a DVD. - The audio languages are represented by abbreviations.

- ***This function depends on what languages are encoded on the disc and may not work with all DVDs.***
- ***A DVD disc can contain up to 8 audio languages.***
- ***How to have the same audio language come up whenever you play a DVD; Refer to "Setting Up the Language Features" on page 46.***

DVD Selecting the Subtitle Language (Using the Subtitle button)



You can select a desired subtitle quickly and easily with the subtitle button.

1	Press the SUBTITLE button.
2	Use the ▲ or ▼ buttons to select the desired subtitle language.
3	Use the ◀ or ▶ buttons to determine whether or not the subtitle will be displayed. - Initially, the subtitling will not appear on screen. - The subtitle languages are represented by abbreviations.

- ***This function depends on what languages are encoded on the disc and may not work with all DVDs.***
- ***A DVD disc can contain up to 32 subtitle languages.***
- ***How to have the same subtitle language come up whenever you play a DVD; Refer to "Setting Up the Language Features" on page 46.***

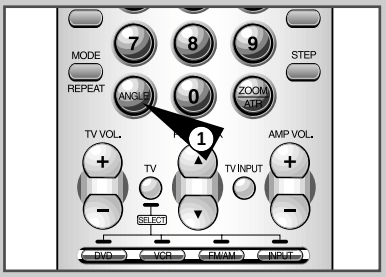
Changing the Camera Angle

DVD

GB

When a DVD contains multiple angles of a particular scene, you can select the Angle function.

Press the ANGLE button to see if an ANGLE ( ) mark is present at the upper right hand corner of the screen.



1	When an ANGLE mark is shown, press the ANGLE button, then an ANGLE select icon will appear at the upper left hand corner of the screen.
2	Use the ▲or ▼ buttons to select the desired screen angle.
3	To turn off the display, press the ANGLE button again.

DVD Using the Bookmark Function (DVD/VCD)

The Bookmark function lets you select parts of a DVD or VCD (MENU OFF mode) so that you can quickly find the section at a later time.

1	During play, press the MARK button on the remote. The Bookmark icons will be displayed.
2	Use the ◄ or ► buttons to move to the desired bookmark icon.
3	When you reach the scene you want to mark, press the ENTER button. The icon will change to a number (1, 2, or 3).
4	Press the MARK button to turn off the display.

DVD Recalling a Marked Scene

1	During play, press the MARK button on the remote.
2	Use the ◄ or ► buttons to select a marked scene.
3	Press the PLAY/STILL button to skip to the marked scene.

DVD Clearing a Mark

1	During play, press the MARK button on the remote.
2	Use the ◄ or ► buttons to select the bookmark number you want to delete.
3	Press the CLEAR button to delete a bookmark number. Press the MARK button to turn off display.

- ***Up to three scenes may be marked at a time.***
- ***When in VCD 2.0 mode (MENU ON mode), this function does not work.***
- ***Depending on the disc, the Bookmark function may not work.***

Using the Zoom (DVD/VCD)

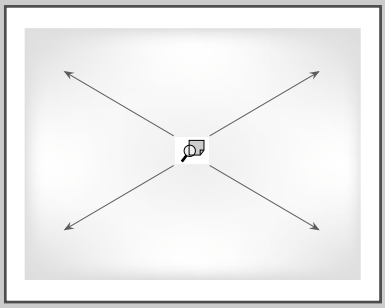
DVD

GB

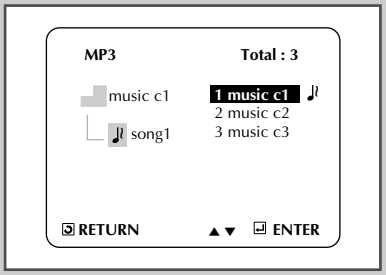
1 During play or still mode, press the ZOOM button on the remote. A square will be displayed on screen.

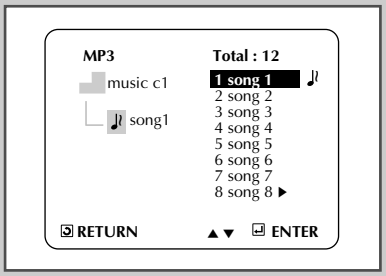
2 Use the ▲, ▼ or ◀, ▶ button to select the part of the screen you want to zoom in on.

3 Press the ENTER button.
- During DVD play : press ENTER to zoom in 2X/4X/2X/Normal in order.
- During VCD play, press ENTER to zoom in 2X/normal in order.



GB





When an MP3 Disc is inserted into the DVD-VCR, the first song file of the first folder plays.

1 Press STOP to stop playback of the first song file, then press RETURN to display the music folder menu on the right side of the screen. Up to 8 music folders can be displayed at a time. If you have more than 8 folders on a disc, press the ◄ or ► buttons to bring them up on the screen.

2 Use the ▲ or ▼ buttons to select the desired music folder, the press ENTER. Use the ▲or ▼ buttons again to select a song file. Press ENTER to begin playback of the song file.

MP3 Play (CD-R MP3 disc requirements)

When playing CD-R MP3 discs, please follow the recommendations below:

- **Your MP3 files should be ISO 9660 or JOLIET format.**
  ISO 9660 format and Joliet MP3 files are compatible with Microsoft's DOS and Windows, and with Apple's Mac. These two formats are the most widely used.

- **When naming your MP3 files do not exceed 8 characters, and place ".mp3" as the file extension.**
  General name format of: Title.mp3. When composing your title, make sure that you use 8 characters or less, have no spaces in the name, and avoid the use of special characters including: (.,/,\,=,+).

- **Use a decompression transfer rate of at least 128 Kbps when recording MP3 files.**
  Sound quality with MP3 files basically depends on the rate of compression/decompression you choose. Getting audio CD quality sound requires an analog/digital sampling rate (conversion to MP3 format) of at least 128 Kbps and up to 160 Kbps. However, choosing higher rates, like 192 Kbps or more, only rarely give better sound quality. Conversely, files with sampling rates below 128 Kbps will not be played properly.

- **Do not try recording copyright protected MP3 files.**
  Certain "securized" files are encrypted and code protected to prevent illegal copying. These files are of the following types: Windows MediaTM (registered trade mark of Microsoft Inc) and SDMITM (registered trade mark of The SDMI Foundation). You cannot copy such files.

- **Your DVD player only accepts one level of file directory. Consequently you must choose:**
  - either to save all your MP3 recording files at the root of the disc;
  - and/or create folders in the directory for each artist or music type (e.g.classical, rock, jazz, etc)

- **Important:** The above recommendations cannot be taken as a guarantee that the DVD player will play MP3 recordings, or as an assurance of sound quality. You should note that certain technologies and methods for MP3 file recording on CD-Rs prevent optimal playback of these files on your DVD player (degraded sound quality and in some cases, inability of the player to read the files).

Connecting the FM and AM antennas

GB

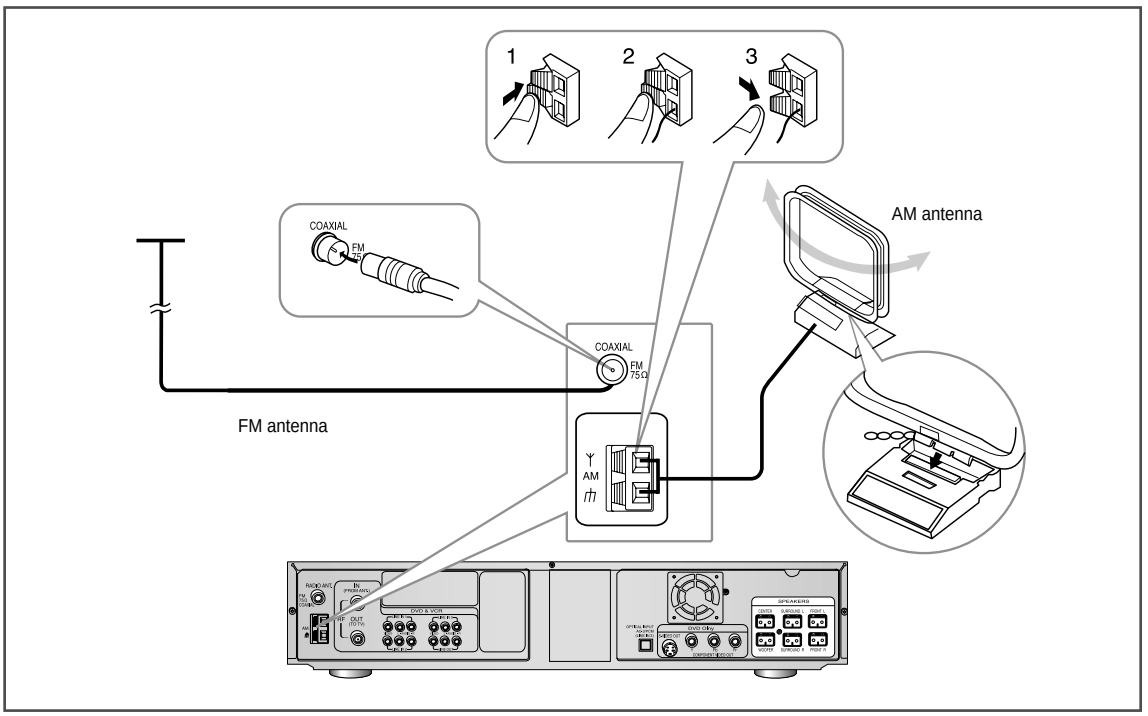
1 FM antenna connections

- Connect the FM antenna to the FM 75Ω COAXIAL terminal.
- Unwind the antenna wire and then fasten it to a wall in an area where reception is best.

- If reception is poor, connect the outdoor antenna.
  Remove the existing FM antenna before connecting the 75Ω coaxial cable.

2 AM antenna connections

- Connect the AM loop antenna to the AM and terminals on the back of the unit.
- Rotate the loop antenna until you have the best reception.



Cooling fan

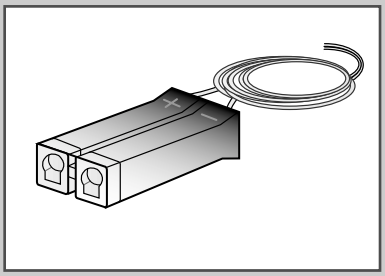
The cooling fan in the rear center of the unit ensures reliable operation and protects it from overheating.
It will operate automatically as needed to circulate cool air when the temperature rises past a set threshold.
For safety, please take note of the following points:

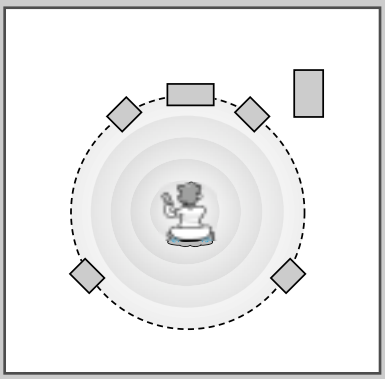
- Make sure that the unit is well-ventilated. Poor ventilation may cause damage by overheating.
- Make sure that the cooling fan or ventilation holes are not obstructed. (If the ventilation holes are blocked by newspaper, clothes, etc., heat builds up inside the main unit, resulting in a risk of fire.)
- When the power is supplied to the main unit, the cooling fan will be activated.

Connecting the Speakers

GB

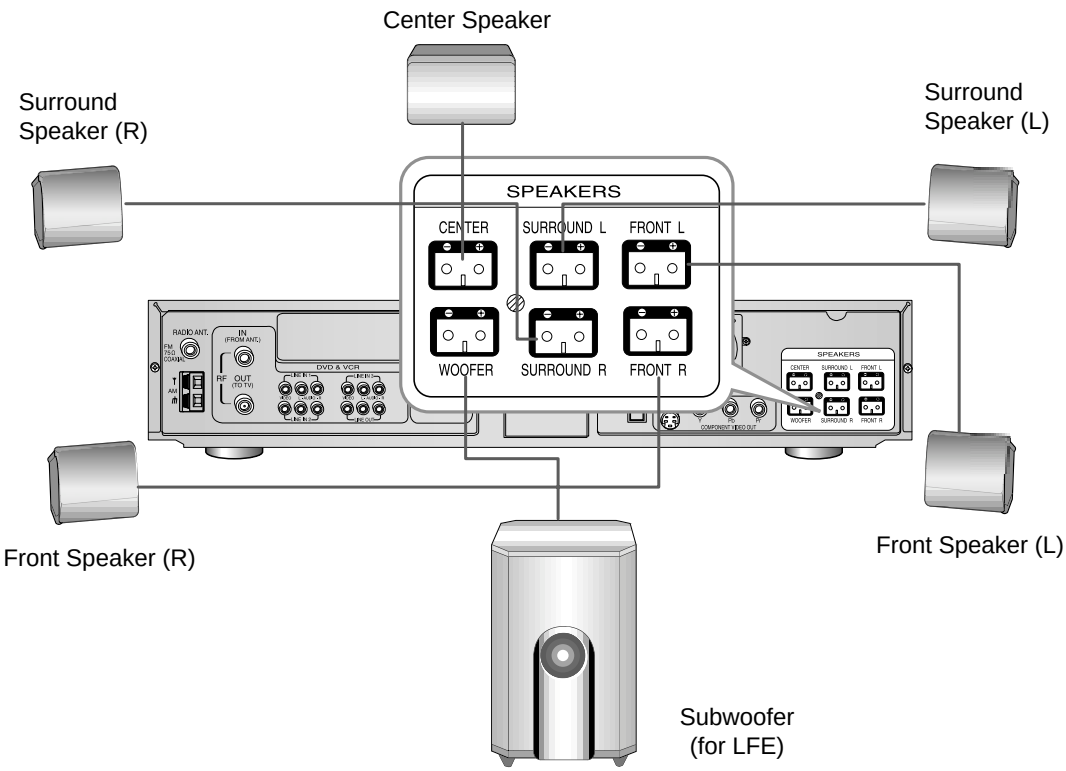
Connect the front, center, and surround speakers and the subwoofer to the speaker terminals on the back of the main unit.





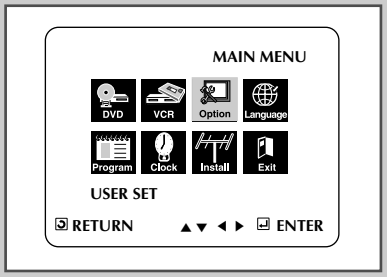
1 Connect the speakers to the speaker output terminals on the back of the main unit, matching the colors.

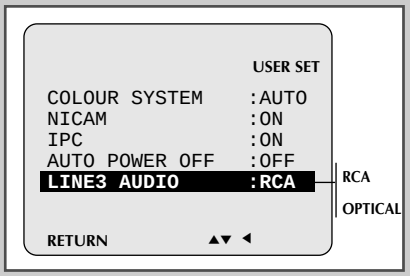
Caution
Do not set the Speakers (except center speaker) near the TV or Monitor because the Speakers (except center speaker) are not magnetic shielded.



LINE 3 AUDIO Setting

GB





1 Open "MAIN MENU"

With the DVD in stop mode, press the SETUP button.

2 Select "Options"

Using the up/down and left/right buttons, move the selection cursor to "USER SET", then press ENTER to select.

3 Select "LINE3 AUDIO"

Move the selection arrow to "LINE3 AUDIO", then press right to select from the following options.

- RCA - Analog Audio input
- OPTICAL - Digital Audio input

➢ Optical(Digital Audio Input) is available for PCM and Dolby Digital only.

Speaker Volume Control

1 AMP Volume Control

- Connect the speaker to the speaker jack on the rear.
- The volume can be adjusted from level 20.
- When you turn the power ON, if the last volume level was over 20, the volume will be set to 20, and if it was under 20, the volume will be set to that level.

2 H/PHONE Volume Control

- You can adjust the volume by connecting the H/PHONE to the H/PHONE JACK on the front panel.
- The volume can be adjusted from level 31, and the AMP SPEAKER will be muted.
- The LINE OUT AUDIO will be output continuously while the H/PHONE is connected.

Speaker setup

1 Open "SETUP MENU"
With the DVD in stop mode, press the SETUP button.

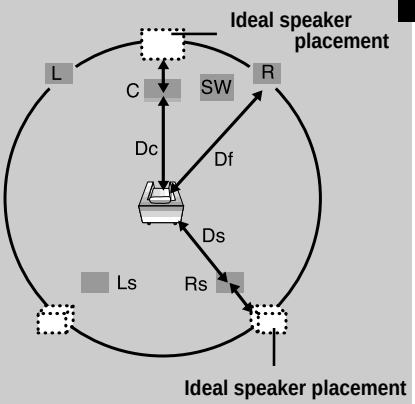
2 Select "DVD"
Using the up/down and left/right buttons, move the selection cursor to "DVD Setup", then press ENTER to select.

3 Select "Audio Options"
Move the selection bar to "Audio Options", then press ENTER to options.

Setting the delay time

You can customize the sound to best fit the specific acoustics of the room by adding a delay to the sound from the center and surround speakers.
The delay time is initially set to 0 ms.

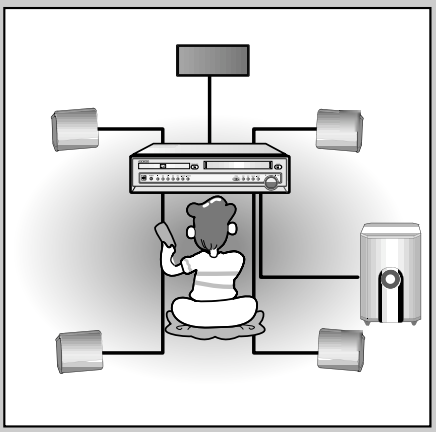
- ***You can enjoy the best sound during 5.1 channel surround playback if the distance between you and each speaker is the same. You can adjust the delay time for the center and surround speakers according to the placement of the speakers in the room.***
- ***For the center speaker***
  If the distance of Dc is equal to or longer than the distance of Df, set the delay time to 0 ms.
  Otherwise, change the value according to the table.
  (A)=Df-Dc
- ***For the surround speakers***
  If the distance of Df is equal to the distance of Ds, set the delay time to
  0 ms.
  Otherwise, change the value according to the table shown on the right.
  (B)=Df-Ds



(A) Distance (feet/inch)	Value (ms)
0.00	0.00
1.12	13.38
2.23	26.77
3.34	40.15
4.46	53.54
5.58	66.93

(B) Distance (feet/inch)	Value (ms)
0.00	0.00
3.35	40.15
6.69	80.31
10.03	120.47
13.39	160.62
16.73	200.79

Ideal speaker placement



1 Center speaker
Place the speaker directly over or under the TV. But, ideally, the center speaker should be positioned with the top surface flush with the front speakers..

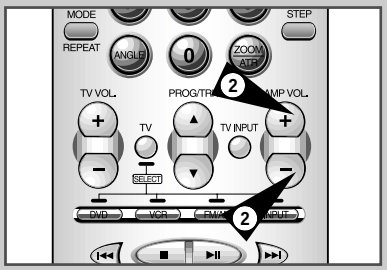
2 Front speakers
Place the front speakers so that their tweeters (high-range) are aligned at about the same height as ear level and at a horizontal angle of 45° with respect to the prime listening position.

3 Surround speakers
Place these speakers behind your listening position, facing slightly inwards, about 2 to 3 feet (60 to 90 cm) above ear level.
If there isn't enough space behind the listening position (i.e., close to the wall), place the surround speakers at either side with their front surfaces facing each other.

4 Subwoofer
The position or orientation of the subwoofer is not as critical. Place it anywhere you want.

Speaker setup

GB



To adjust the speaker balance

1 Press the SPEAKER button.

- Each time you press the button, the speaker is selected in the order of FL→ C → FR → SR → SL → SW → VOL.
  You will see this on the unit's display.

2 Use the + and - buttons to adjust the volume on the desired speaker.

- The volume can be adjusted with in the range of -12 to 0 to +12.

To test the speakers

1 Press the TEST button.

- Each time you press the button, the test tone will be heard in the order of FL (Front speaker/L) → C (Center speaker) → FR (Front speaker/R) →SR (Surround speaker/R) → SL (Surround speaker/L) → SW (Subwoofer).

2 To stop the test tone, press the TEST button again.

➢ You can adjust the speaker balance for the selected channel using the Volume Control buttons during the test tone operation.

Dolby Pro Logic II decoder

GB

Dolby Pro Logic II is a new format for playing multichannel audio signals that offers improvement over conventional Dolby Pro Logic. It can be used to decode not only sources recorded in Dolby Surround, but also regular stereo sources into five channels (front left/right, center and surround left/right). In addition, various parameters can be set according to the type of source and contents, so you can adjust the sound field with greater precision.

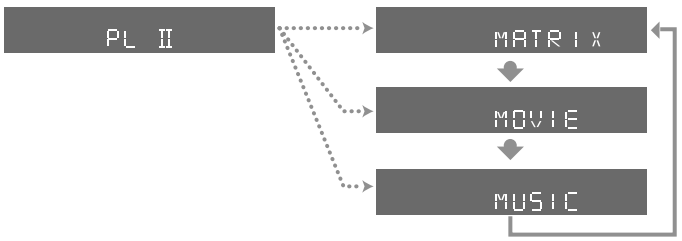
Select the source you want to use. (CD, Video, FM/AM, Input (LINE1, LINE2, LINE3, TV CH))

1 Press the SOUND MODE button.

- Press the SOUND MODE button repeatedly to select Dolby Pro Logic II.

2 Press the SOUND EFFECT button.

- Each time you press the button, the sound effect changes as follows.



3 Select the desired mode ("MUSIC, "MATRIX", or "MOVIE").

- Matrix: Use when playing sources recorded in monaural.
- Movie: Use this when viewing movies.
- Music: Use this mainly for music listening.

- ◆ Dolby Pro Logic II may not be selected depending on the disc used. (DTS DVD, Dolby Digital 5.1, VCD, MP3)
- ◆ When playing a DVD recorded in 2-channel Dolby Digital, it will automatically be output in Dolby Pro Logic II.
- ◆ Dolby Pro Logic II operates only when CD, VIDEO, FM/AM, or INPUT (LINE1, LINE2, LINE3 or TV Broadcast) is selected. Mode, Sound Effect cannot be selected while the DVD signal is being input.

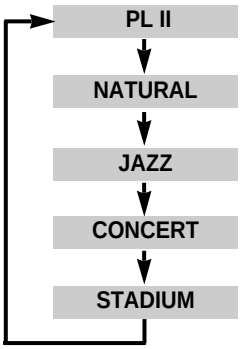
SOUND mode/effect function

GB

This feature simulates the sound of different acoustic spaces.

1 Press the SOUND MODE button.

- Each time you press the button, the sound mode changes as follows.
- The SOUND mode adds a coustic surround effect during playback of stereo analog or linear PCM digital signals.



2 Press the SOUND EFFECT button.

- Each time you press the button, the selection alternates between EFFECT 1 and EFFECT 2.
- The higher the number, the greater the effect.
- If you press the button while in the STEREO mode, the selection alternates between STEREO and 4 STEREO.
- When in 4 STEREO mode, you'll hear equal output from the front and rear speakers.

Dolby Pro Logic II

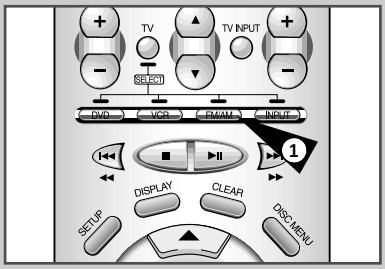
○ : 5.1ch
△ : STEREO

Source \ Mode	ON: PL II	OFF: STEREO	NATURAL	JAZZ	CONCERT	STADIUM
Video Tape	○	△	○	○	○	○
TV, FM/AM	○	△	○	○	○	○
LINE 3	○	△	○	○	○	○
OPTICAL (PCM)	○	△	○	○	○	○

- ◆ The Sound mode and effects do not Work With Dolby Digital, DTS, VCD, MP3, LPCM disc, and Optical Input(OPTICAL) sources.
- ◆ Dolby Digital, DTS, Optical Input (Dolby Digital) : 5.1-Channel speaker output
- ◆ VCD, MP3, LPCM, Optical Input (PCM) : Outputs to the front left, right, and subwoofer speakers only.
- ◆ During DTS or MPEG playback, audio is output only to the speakers. Audio is not output using other connections.

Listening to radio broadcasts

You can automatically or manually tune in to FM and AM stations to listen to radio broadcasts.

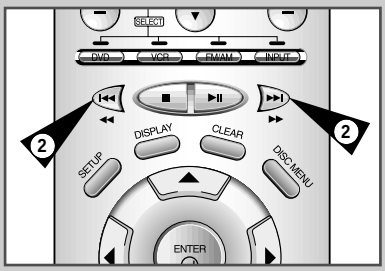


1 Press the FM/AM button.

- Each time you press the button, the band alternates between FM and AM.

2 Tune in to a station.

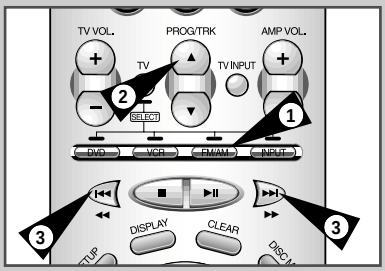
- Automatic tuning : Hold down ⏮ / ⏭ to begin the automatic tuning.
- Manual tuning : Press ⏮ to tune in to a lower frequency, or press ⏭ to tune in to a higher frequency.



➢ ***The FM/AM function cannot be selected while operating the DVD player or VCR.***

Presetting stations

Example: Storing an FM station of 89.1 MHz into the preset number 02 of the FM1 band



1 Press the FM/AM button to select the FM band.

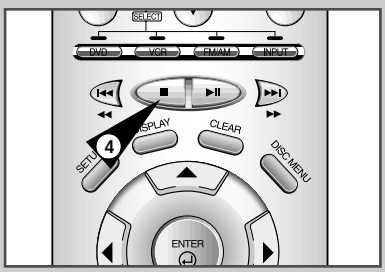
- Each time you press the button, the band alternates between FM and AM.

2 Select a channel to choose the memory address to which you want to store the station.

3 Use the ◀◀ and ▶▶ buttons to tune in to 89.1 FM.

4 Press the ■ button or the ENTER button on the remote control.

- 89.1 FM is stored in FM1.



5. Select a channel to select a preset station number.

6. Press the ■ STOP button or ENTER button again to store FM station 89.1 to FM 1.

7. To store other stations Repeat steps 1 to 6 above.

- You can use the CHANNEL button to store up to 20 FM stations and 10 AM stations.

➢
- ∞ will be indicated when tuned to an FM station.
- To store other channels, repeat the steps 2 to 4 above.

Technical Specifications

GB

General	Rated voltage	AC 220 - 240V, 50Hz	
	Operating ambient temperature	+5°C ~ +35°C	
	Installation conditions	Operation position : Horizontal, Relative humidity : Below 75%	
Input	Video input (Rear)	RCA jack : 1.0Vp-p (unbalanced) 75Ω	
	Audio input (Rear)	RCA jack : -8dBm, 47Kohm unbalanced	
	RF out	UHF 21-69 (Initial CH36)	
Output	Audio (DVD, VCR)	RCA jack	
	Video (DVD, VCR)	RCA jack	
	Video (DVD only)	S-Video out COMPONENT out : RCA jack	
VCR	Tape format	VHS type video tape, S-VHS type video tape (Playback only)	
	Color system	PAL, MESECAM, NTSC3.58, NTSC4.43, NTSC on PAL TV	
	Tuning system	B/G, D/K	
	Video S/N	Above 43dB (standard recording)	
	Resolution	Above 240 lines (standard recording)	
	Audio S/N	Above 68dB (Hi-Fi), 39dB (Mono)	
	Audio frequency characteristics	20Hz - 20KHz (Hi-Fi)	
DVD	Disc	DVD, CD (12cm), CD (8cm), VIDEO-CD (12cm)	
	Audio S/N	95dB	
	Audio dynamic range	100dB	
RECEIVER	SENSITIVITY	**FM**	**AM**
		15 dB	64 dB
	S/N RATIO	60 dB	35 dB
	THD	0.5 %	2 %

AMP	FRONT SPEAKER	50W X 2 (6Ω)		
	CENTER SPEAKER	50 W (6Ω)		
	SURROUND SPEAKER	50 W X 2 (6Ω)		
	SUBWOOFER SPEAKER	100 W (3Ω)		
	FREQ.RESPONSE	20 Hz ~ 20kHz		
	S/N RATIO	75 dB		
	CHANNEL SEPERATION	50 dB		
SPEAKER	SPEAKER SYSTEM	5.1 CHANNEL SPEAKER SYSTEM		
		FRONT/CENTER/SURROUND		SUBWOOFER SPEAKER
	IMPEDANCE	6Ω X 5		3Ω
	FREQ. RESPONSE	55Hz ~ 23kHz		30Hz ~ 400Hz
	O.S.L	87dB/W/M		86dB/W/M
	RATING INPUT	50W		100W
	SIZE	FRONT SURROUND	110(W)x129(D)x100(H)	250(W) x 250(D) x 380(H)
		CENTER	150(W)x129(D)x100(H)	
	WEIGHT	FRONT SURROUND	0.72kg x 4 = 2.88kg	5.9kg
		CENTER	1.1kg	

Problems and Solutions (VCR)

GB

Before contacting the Samsung after-sales service, perform the following simple checks.

Problem	Explanation/Solution
No power	◆ Check that the power plug is connected to a wall outlet. ◆ Have you pressed the STANDBY/ON button?
You cannot insert a video cassette	◆ A video cassette can only be inserted with the window side up and the safety tab facing you.
The television programme was not recorded	◆ Check the DVD-VCR aerial connections. ◆ Is the DVD-VCR tuner properly set? ◆ Check if the safety tab is intact on the cassette.
Timer recording was unsuccessful	◆ Was the STANDBY/ON button pressed to activate the timer? ◆ Re-check the recording start/stop time settings. ◆ If there was a power failure or interruption during timer recording, the recording will have been cancelled.
No playback picture or the picture is distorted	◆ Check to see if you are using a prerecorded tape.
You cannot see normal broadcasts	◆ Check the TUNER/EXTERNAL setting. It should be on TUNER. ◆ Check the TV/VCR aerial connections.
Noise bars or streaks on playback	◆ Press the PROG/TRK (▲ or ▼) buttons to minimize this effect.
When the ►II button is pressed during playback, the still picture has severe “noise bars” streaks	◆ A still picture may have “noise bars”, depending on the condition of the tape. Press the PROG/TRK (▲ or ▼) buttons during SLOW motion to minimize this effect.
Video Head Cleaning	◆ If poor pictures appear on a variety of cassettes, the video heads may need cleaning. This is not a common problem and unless it appears, the heads should not be cleaned. When cleaning the video heads, read all instructions provided with the head cleaning cassette. Incorrect head cleaning can permanently damage the video heads.
If when tuning in your TV to the DVD-VCR TV does not find the Screen or the pattern when found suffers from interference, it may be due to the DVD-VCR output channel clashing with the normal TV transmissions in your area. To prevent this you will need to change the DVD-VCR output channel in the following way	**1.** Remove the aerial input plug from the socket marked (aerial symbol) on the rear of the DVD-VCR. **2.** Carry out the instructions “Tuning Your Television for the DVD-VCR” (see page 14). **3.** Carry out the instructions “Setting the DVD-VCR output Channel” (see page 23), move the channel number several channels down from the original setting. (example: from 38 to 40). **4.** Replace the aerial plug into the socket marked (aerial symbol) on the rear of the DVD-VCR. **5.** Re-tune your TV to the DVD-VCR again by following instructions “Tuning Your Television for the DVD-VCR” (page 14). **6.** If the problem still exists repeat steps 1 to 5 moving several more channels away from the original setting.

If you are unable to solve the problem after reading the above instructions, note:

- ***The model and serial number on the rear of your DVD-VCR***
- ***The warranty information***
- ***A clear description of the problem***

Then contact your nearest SAMSUNG after-sales service.

Troubleshooting Guide (DVD)

GB

Before requesting service (troubleshooting)

Problem	Action	Page
Disc does not play.	◆ Ensure that the disc is installed with the label side facing up. ◆ Check the region number of the DVD. ◆ This player cannot play CD-ROMs, DVD-ROMs, etc. Insert a DVD, a VIDEO-CD or a CD.	P6
The ⊘ icon appears on screen.	◆ The features or action cannot be completed at this time because: 1. The DVD's software restricts it. 2. The DVD's software doesn't support the feature (e.g., angles). 3. The feature is not available at the moment. 4. You've requested a title or chapter number or search time that is out of range.	
Playback mode differs from the Setup Menu selection.	◆ Some of the functions selected in the DVD SETUP may not work properly if the disc is not encoded with the corresponding function.	P44-49
The screen ratio cannot be changed.	◆ The Screen Ratio is fixed on your DVDs.	P49
Forgot password	◆ Press power on from a cold start with no disc in the unit. Press the ▶▶ and ◀◀ buttons simultaneously on the front panel for five seconds. Switch off and on the DVD-VCR by pressing STANDBY/ON button. The Parental Mode is now unlocked as indicated on the display. You can now set your rating level and change your password to a new number.	
If you experience other problems.	◆ Go to the contents and find the section of the instruction book that contains the explanations regarding the current problem, and follow the procedure once again. ◆ If the problem still cannot be solved, please contact your nearest authorized service center.	

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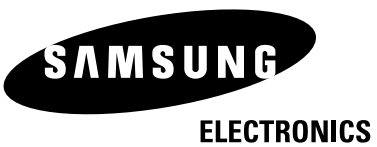

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